

Diagnostic antibodies and antigens for functional ELISA assay kit, lateral flow and other immunoassays in diagnostics

Diagnostic antibodies and antigens list

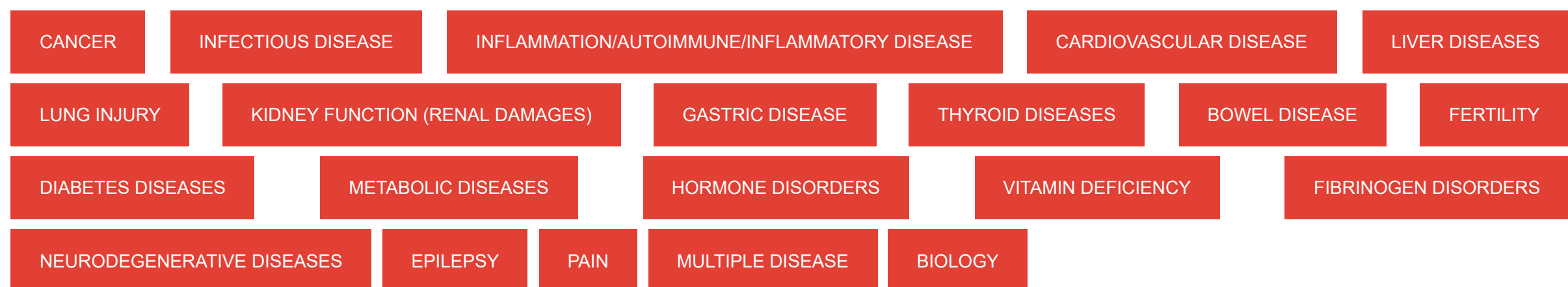
In vitro diagnostic (IVD) testing has become an indispensable tool in clinical practice for diagnosing and monitoring of diseases, as well as providing prognosis and predicting treatment response. In vitro tests may be done in laboratories, health care facilities or even in the home. The tests themselves can be performed on a variety of instruments ranging from small, handheld tests to complex laboratory instruments. They allow doctors to diagnose patients effectively and work to provide appropriate treatments.

IVDs are used to analyze human samples such as blood and saliva, either by measuring the concentration of specific substances, or analytes (such as sodium and cholesterol), or by detecting the presence or absence of a particular marker or set of markers, such as a genetic mutation or an immune response to infection. Clinicians regularly use IVDs to diagnose conditions, guide treatment decisions, and even mitigate or prevent future disease (for example, through screening tests that indicate a patient's risk of developing a given condition in the future). There are over 40,000 different IVD products available that provide information to doctors and patients on a huge range of conditions. These comprise markers for inorganic chemistry (electrolytes, toxins, and heavy metals), markers for organic chemistry/biochemistry (proteins, lipids, and carbohydrates), as well as molecular biologic procedures (sequencing and polymerase chain reaction).

In recent years, the value of IVDs has gained further recognition because of their potential to save lives through earlier diagnosis of medical conditions. In the case of an infectious disease, early detection can ensure that patients receive timely care to help slow or stop the progression of disease. Further, knowledge of infection can help promote self-isolation to prevent further spread of the disease to the community. This has been particularly important in containing the spread of highly infectious agents during an active outbreak. Using IVDs to predict underlying genetic conditions in addition to diagnostic screening can also prevent unnecessary suffering by a patient as well as reduce the scale of treatment required.

As the ease-of-use and reliability of IVDs has improved, some IVDs have moved out of the laboratory setting and into the patient's home. Consumers can now perform simple tests to monitor blood glucose levels, identify urinary tract infections, track ovulation, and confirm pregnancy. These tests not only empower individuals to take charge of their own health but can provide quick results that help guide further medical actions. Genemedi provides diagnostic antibodies and antigens for the in vitro diagnosis of diseases such as infectious disease, inflammation/autoimmune/inflammatory disease, kidney function (renal damages), liver diseases, lung injury, metabolic diseases, multiple disease, neurodegenerative diseases, pain, thyroid diseases, vitamin deficiency and so on.

Classification of IVD Disease:



Diagnostic antibodies and antigens for cancer detection - TG, CA-125, SCC Ag, PIVKA-II, ProGRP, Calcitonin, NSE, CA-724, HE4, CA15-3, FER, CYFRA21-1, HER2, HSP90α, S100B, CEA, AFP, sFlt-1, PSA, hEGF, TFF2, TFF3, CA199, CA50, TK1

Regardless of the advances in the cancer therapy, delayed symptoms and lack of successful diagnosis of cancer at early stage increased the death rate. Tumor-associated antigens (TAAs) and their antibodies have been identified as potential markers in cancer diagnosis and determination. TAAs and their antibodies-based detection of cancer have the advantages such as low-cost, and simple access, which attracted much attention for early cancer detection. For several reasons, tumor marker itself is typically insufficient to analyze disease conditions. Because, maximum number of markers have been produced by both normal and cancer cells. Several cancers such as anal, breast, ovaries, testicles, colon, endometrial, peritoneal, fallopian tube, gallbladder, gastric, liver, lung, neuroendocrine, pancreatic, prostate, renal, cervix, stomach and thyroid cancer, bronchopulmonary dysplasia, hepatitis, hematological malignancies, hemochromatosis, hypercalcemia, osteoporosis, Parget's diseases and so on have been identified using specific marker. Detecting the quantity of marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.


Classification: TG, CA-125, SCC AG, PIVKA-II, PROGRP, CALCITONIN, NSE, CA-724, HE4, CA15-3, FER, CYFRA21-1, HER2, HSP90A, S100B, CEA, AFP, SFLT-1, PSA, HEGF, TFF2, TFF3, CA199, CA50, TK1

Thyroglobulin (TG)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-TG	Human	Thyroglobulin (TG)	thyroid nodules, thyroid adenomas, multinodular goiters, thyrotoxicosis, thyroid cancer	GMP-h-TG-Ag01: Recombinant human TG Protein	Thyroglobulin (TG) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in TG level test of Cancer (thyroid nodules, thyroid adenomas, multinodular goiters, thyrotoxicosis, thyroid cancer) and related syndrome evaluation.	GMP-h-TG-Ab01; GMP-h-TG-Ab02: Anti-human TG mouse monoclonal antibody (mAb)	Human Thyroglobulin (TG) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Thyroglobulin (TG) antibodies in TG level test of Cancer (thyroid nodules, thyroid adenomas, multinodular goiters, thyrotoxicosis, thyroid cancer) and related syndrome evaluation.	


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cancer antigen 125 (CA-125)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-CA-125	Human	cancer antigen 125 (CA-125)	ovarian, endometrial, peritoneal and fallopian tube cancers.	GMP-h-CA-125-Ag01: Recombinant human CA-125 Protein	cancer antigen 125 (CA-125) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in CA-125 level test of Cancer (ovarian, endometrial, peritoneal and fallopian tube cancers.) and related syndrome evaluation.	GMP-h-CA-125-Ab01; GMP-h-CA-125-Ab02: Anti-human CA-125 mouse monoclonal antibody(mAb)	Human cancer antigen 125 (CA-125) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other cancer antigen 125 (CA-125) antibodies in CA-125 level test of Cancer (ovarian, endometrial, peritoneal and fallopian tube cancers.) and related syndrome evaluation.	


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squamous cell carcinoma antigen (SCC Ag)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-SCC-Ag	Human	squamous cell carcinoma antigen (SCC Ag)	squamous cancers of the cervix, head, neck, and lung	GMP-h-SCC-Ag-Ag01: Recombinant human SCC Ag Protein	squamous cell carcinoma antigen (SCC Ag) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in SCC Ag level test of Cancer (squamous cancers of the cervix, head, neck, and lung) and related syndrome evaluation.	GMP-h-SCC-Ag-Ab01; GMP-h-SCC-Ag-Ab02: Anti-human SCC Ag mouse monoclonal antibody(mAb)	Human squamous cell carcinoma antigen (SCC Ag) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other squamous cell carcinoma antigen (SCC Ag) antibodies in SCC Ag level test of Cancer (squamous cancers of the cervix, head, neck, and lung) and related syndrome evaluation.	


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Protein induced by vitamin K absence-II (PIVKA-II)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-PIVKA-II	Human	Protein induced by vitamin K absence-II (PIVKA-II)	hepatocellular carcinoma	GMP-h-PIVKA-II-Ag01: Recombinant human PIVKA-II Protein	Protein induced by vitamin K absence-II (PIVKA-II) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in PIVKA-II level test of Cancer (hepatocellular carcinoma) and related syndrome evaluation.	GMP-h-PIVKA-II-Ab01; GMP-h-PIVKA-II-Ab02: Anti-human PIVKA-II mouse monoclonal antibody(mAb)	Human Protein induced by vitamin K absence-II (PIVKA-II) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Protein induced by vitamin K absence-II (PIVKA-II) antibodies in PIVKA-II level test of Cancer (hepatocellular carcinoma) and related syndrome evaluation.	

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Gastrin-releasing peptide (ProGRP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-ProGRP	Human	Gastrin-releasing peptide (ProGRP)	cancer	GMP-h-ProGRP-Ag01: Recombinant human ProGRP Protein	Gastrin-releasing peptide (ProGRP) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in ProGRP level test of Cancer (cancer) and related syndrome evaluation.	GMP-h-ProGRP-Ab01; GMP-h-ProGRP-Ab02: Anti-human ProGRP mouse monoclonal antibody(mAb)	Human Gastrin-releasing peptide (ProGRP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Gastrin-releasing peptide (ProGRP) antibodies in ProGRP level test of Cancer () and related syndrome evaluation.	

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Calcitonin (Calcitonin)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h- Calcitonin	Human	Calcitonin (Calcitonin)	osteoporosis, hypercalcemia and Parget's diseases	GMP-h-Calcitonin-Ag01: Recombinant human Calcitonin Protein	Calcitonin (Calcitonin) antibodies, Immunogen in Sandwich Elisa, lateral- flow tests,and other immunoassays as control material in Calcitonin level test of Cancer(osteoporosis, hypercalcemia and Parget's diseases) and related syndrome evaluation.	GMP-h-Calcitonin-Ab01; GMP-h-Calcitonin-Ab02: Anti-human Calcitonin mouse monoclonal antibody(mAb)	Human Calcitonin (Calcitonin) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Calcitonin (Calcitonin) antibodies in Calcitonin level test of Cancer (osteoporosis, hypercalcemia and Parget's diseases) and related syndrome evaluation.	


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Neuron specific enolase (NSE)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-NSE	Human	Neuron specific enolase (NSE)	neuroendocrine tumors	GMP-h-NSE-Ag01: Recombinant human NSE Protein	Neuron specific enolase (NSE) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in NSE level test of Cancer(neuroendocrine tumors) and related syndrome evaluation.	GMP-h-NSE-Ab01; GMP-h-NSE-Ab02: Anti-human NSE mouse monoclonal antibody(mAb)	Human Neuron specific enolase (NSE) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Neuron specific enolase (NSE) antibodies in NSE level test of Cancer (neuroendocrine tumors) and related syndrome evaluation.	


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Cancer Antigen 72-4 (CA-724)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-CA- 724	Human	Cancer Antigen 72-4 (CA-724)	carcinomas of pancreas, stomach, gallbladder, colon, ovaries, cervix and endometrium	GMP-h-CA-724-Ag01: Recombinant human CA-724 Protein	Cancer Antigen 72-4 (CA-724) antibodies, Immunogen in Sandwich Elisa, lateral- flow tests,and other immunoassays as control material in CA-724 level test of Cancer(carcinomas of pancreas, stomach, gallbladder, colon, ovaries, cervix and endometrium) and related syndrome evaluation.	GMP-h-CA-724-Ab01; GMP-h-CA-724-Ab02: Anti-human CA-724 mouse monoclonal antibody(mAb)	Human Cancer Antigen 72-4 (CA-724) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Cancer Antigen 72-4 (CA-724) antibodies in CA-724 level test of Cancer (carcinomas of pancreas, stomach, gallbladder, colon, ovaries, cervix and endometrium) and related syndrome evaluation.	


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epididymis protein 4 (HE4)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-HE4	Human	epididymis protein 4 (HE4)	ovarian cancer	GMP-h-HE4-Ag01: Recombinant human HE4 Protein	epididymis protein 4 (HE4) antibodies, Immunogen in Sandwich Elisa, lateral- flow tests,and other immunoassays as control material in HE4 level test of Cancer(ovarian cancer) and related syndrome evaluation.	GMP-h-HE4-Ab01; GMP-h-HE4-Ab02: Anti-human HE4 mouse monoclonal antibody(mAb)	Human Human epididymis protein 4 (HE4) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Human epididymis protein 4 (HE4) antibodies in HE4 level test of Cancer (ovarian cancer) and related syndrome evaluation.	


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Cancer antigen 15-3 (CA15-3)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-CA15- 3	Human	Cancer antigen 15-3 (CA15-3)	breast cancer	GMP-h-CA15-3-Ag01: Recombinant human CA15-3 Protein	Cancer antigen 15-3 (CA15-3) antibodies, Immunogen in Sandwich Elisa, lateral- flow tests,and other immunoassays as control material in CA15-3 level test of Cancer(breast cancer) and related syndrome evaluation.	GMP-h-CA15-3-Ab01; GMP-h-CA15-3-Ab02: Anti-human CA15-3 mouse monoclonal antibody(mAb)	Human Cancer antigen 15-3 (CA15-3) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Cancer antigen 15-3 (CA15-3) antibodies in CA15-3 level test of Cancer (breast cancer) and related syndrome evaluation.	


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Ferritin (FER)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-FER	Human	Ferritin (FER)	hemochromatosis	GMP-h-FER-Ag01: Recombinant human FER Protein	Ferritin (FER) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in FER level test of Cancer(hemochromatosis) and related syndrome evaluation.	GMP-h-FER-Ab01; GMP-h-FER-Ab02: Anti-human FER mouse monoclonal antibody(mAb)	Human Ferritin (FER) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Ferritin (FER) antibodies in FER level test of Cancer (hemochromatosis) and related syndrome evaluation.	


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soluble fragment of cytokeratin-19 (CYFRA21-1)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-CYFRA21-1	Human	soluble fragment of cytokeratin-19 (CYFRA21-1)	bronchopulmonary dysplasia	GMP-h-CYFRA21-1-Ag01: Recombinant human CYFRA21-1 Protein	soluble fragment of cytokeratin-19 (CYFRA21-1) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in CYFRA21-1 level test of Cancer(bronchopulmonary dysplasia) and related syndrome evaluation.	GMP-h-CYFRA21-1-Ab01; GMP-h-CYFRA21-1-Ab02: Anti-human CYFRA21-1 mouse monoclonal antibody(mAb)	Human soluble fragment of cytokeratin-19 (CYFRA21-1) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other soluble fragment of cytokeratin-19 (CYFRA21-1) antibodies in CYFRA21-1 level test of Cancer (bronchopulmonary dysplasia) and related syndrome evaluation.	


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epidermal growth factor receptor 2 (HER2)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-HER2	Human	epidermal growth factor receptor 2 (HER2)	breast cancer	GMP-h-HER2-Ag01: Recombinant human HER2 Protein	epidermal growth factor receptor 2 (HER2) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in HER2 level test of Cancer(breast cancer) and related syndrome evaluation.	GMP-h-HER2-Ab01; GMP-h-HER2-Ab02: Anti-human HER2 mouse monoclonal antibody(mAb)	Human human epidermal growth factor receptor 2 (HER2) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other human epidermal growth factor receptor 2 (HER2) antibodies in HER2 level test of Cancer (breast cancer) and related syndrome evaluation.	

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epidermal growth factor receptor 2 (HER2)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-HSP90α	Human	epidermal growth factor receptor 2 (HER2)	breast cancer	GMP-h-HSP90α-Ag01: Recombinant human HSP90α Protein	epidermal growth factor receptor 2 (HSP90α) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in HSP90α level test of Cancer(breast cancer) and related syndrome evaluation.	GMP-h-HSP90α-Ab01; GMP-h-HSP90α-Ab02: Anti-human HSP90α mouse monoclonal antibody(mAb)	Human Heat shock proteins 90-alpha (HSP90α) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Heat shock proteins 90-alpha (HSP90α) antibodies in HSP90α level test of Cancer (renal cancer, liver cancer and breast cancer) and related syndrome evaluation.	

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S100 proteins (S100B)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-S100B	Human	S100 proteins (S100B)	Alzheimer disease, cancer and inflammatory disorders (such as rheumatoid arthritis (RA))	GMP-h-S100B-Ag01: Recombinant human S100B Protein	S100 proteins (S100B) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in S100B level test of Cancer (Alzheimer disease, cancer and inflammatory disorders (such as rheumatoid arthritis (RA))) and related syndrome evaluation.	GMP-h-S100B-Ab01; GMP-h-S100B-Ab02: Anti-human S100B mouse monoclonal antibody(mAb)	Human S100 proteins (S100B) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other S100 proteins (S100B) antibodies in S100B level test of Cancer (Alzheimer disease, cancer and inflammatory disorders (such as rheumatoid arthritis (RA))) and related syndrome evaluation.	


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carcinoembryonic antigen (CEA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-CEA	Human	carcinoembryonic antigen (CEA)	breast cancer, lung cancer, breast cancer, liver cancer, pancreatic cancer, stomach cancer, ovarian cancer	GMP-h-CEA-Ag01: Recombinant human CEA Protein	carcinoembryonic antigen (CEA) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in CEA level test of Cancer (breast cancer, lung cancer, breast cancer, liver cancer, pancreatic cancer, stomach cancer, ovarian cancer) and related syndrome evaluation.	GMP-h-CEA-Ab01; GMP-h-CEA-Ab02: Anti-human CEA mouse monoclonal antibody(mAb)	Human Carcinoembryonic antigen (CEA) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Carcinoembryonic antigen (CEA) antibodies in CEA level test of Cancer (breast cancer, lung cancer, breast cancer, liver cancer, pancreatic cancer, stomach cancer, ovarian cancer) and related syndrome evaluation.	


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Alpha-fetoprotein (AFP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-AFP	Human	Alpha-fetoprotein (AFP)	liver cancer, cancer of the ovaries or testicles, liver cirrhosis and hepatitis	GMP-h-AFP-Ag01: Recombinant human AFP Protein	Alpha-fetoprotein (AFP) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in AFP level test of Cancer (liver cancer, cancer of the ovaries or testicles, liver cirrhosis and hepatitis) and related syndrome evaluation.	GMP-h-AFP-Ab01; GMP-h-AFP-Ab02: Anti-human AFP mouse monoclonal antibody(mAb)	Human Alpha-fetoprotein (AFP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Alpha-fetoprotein (AFP) antibodies in AFP level test of Cancer (liver cancer, cancer of the ovaries or testicles, liver cirrhosis and hepatitis) and related syndrome evaluation.	

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soluble vascular endothelial growth factor receptor-1 (sFlt-1)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-sFlt-1	Human	soluble vascular endothelial growth factor receptor-1 (sFlt-1)	ascular diseases and cancer	GMP-h-sFlt-1-Ag01: Recombinant human sFlt-1 Protein	soluble vascular endothelial growth factor receptor-1 (sFlt-1) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in sFlt-1 level test of Cancer (ascular diseases and cancer) and related syndrome evaluation.	GMP-h-sFlt-1-Ab01; GMP-h-sFlt-1-Ab02: Anti-human sFlt-1 mouse monoclonal antibody(mAb)	Human soluble vascular endothelial growth factor receptor-2 (sFlt-1) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other soluble vascular endothelial growth factor receptor-2 (sFlt-1) antibodies in sFlt-1 level test of Cancer (ascular diseases and cancer) and related syndrome evaluation.	

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Prostate-specific antigen (PSA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-PSA	Human	Prostate-specific antigen (PSA)	prostate cancer	GMP-h-PSA-Ag01: Recombinant human PSA Protein	Prostate-specific antigen (PSA) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in PSA level test of Cancer (prostate cancer) and related syndrome evaluation.	GMP-h-PSA-Ab01; GMP-h-PSA-Ab02: Anti-human PSA mouse monoclonal antibody(mAb)	Human Prostate-specific antigen (PSA) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Prostate-specific antigen (PSA) antibodies in PSA level test of Cancer (prostate cancer) and related syndrome evaluation.	


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Human epidermal growth factor (hEGF)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-hEGF	Human	Human epidermal growth factor (hEGF)	lung cancer, anal cancers, glioblastoma and epithelial tumors of the head and neck	GMP-h-hEGF-Ag01: Recombinant human hEGF Protein	Human epidermal growth factor (hEGF) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in hEGF level test of Cancer (lung cancer, anal cancers, glioblastoma and epithelial tumors of the head and neck) and related syndrome evaluation.	GMP-h-hEGF-Ab01; GMP-h-hEGF-Ab02: Anti-human hEGF mouse monoclonal antibody(mAb)	Human Human epidermal growth factor (hEGF) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Human epidermal growth factor (hEGF) antibodies in hEGF level test of Cancer (lung cancer, anal cancers, glioblastoma and epithelial tumors of the head and neck) and related syndrome evaluation.	


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trefoil factor 2 (TFF2)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-TFF2	Human	trefoil factor 2 (TFF2)	Crohn's disease and inflammatory bowel disease prostate breast, colon and ovarian cancer	GMP-SMT-TFF2-Ag01: BSA-trefoil factor 2 (TFF2) GMP-SMT-TFF2-Ag02: OVA-trefoil factor 2 (TFF2)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-trefoil factor 2 (TFF2)], trefoil factor 2 (TFF2) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in TFF2 level test of Cancer (Crohn's disease and inflammatory bowel disease prostate breast, colon and ovarian cancer) and related syndrome evaluation.	GMP-SMT-TFF2-Ab01: Anti-trefoil factor 2 (TFF2) mouse monoclonal antibody(mAb)	Human Carbohydrate antigen 19-9 (CA199) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Carbohydrate antigen 19-9 (CA199) antibodies in CA199 level test of Cancer (pancreatic and biliary tract tumors) and related syndrome evaluation.	

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trefoil factor 3 (TFF3)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-TFF3	Human	trefoil factor 3 (TFF3)	gastric cancer	GMP-SMT-TFF3-Ag01: BSA-trefoil factor 3 (TFF3) GMP-SMT-TFF3-Ag02: OVA-trefoil factor 3 (TFF3)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-trefoil factor 3 (TFF3)], trefoil factor 3 (TFF3) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in TFF3 level test of Cancer (gastric cancer) and related syndrome evaluation.	GMP-SMT-TFF3-Ab01: Anti-trefoil factor 3 (TFF3) mouse monoclonal antibody(mAb)	Human Carbohydrate Antigen 50 (CA50) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Carbohydrate Antigen 50 (CA50) antibodies in CA50 level test of Cancer (pancreatic and colorectal cancer) and related syndrome evaluation.	

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Carbohydrate antigen 19-9 (CA199)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-CA199	Human	Carbohydrate antigen 19-9 (CA199)	pancreatic and biliary tract tumors	GMP-h-CA199-Ag01: Recombinant human CA199 Protein	Carbohydrate antigen 19-9 (CA199) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in CA199 level test of Cancer(pancreatic and biliary tract tumors) and related syndrome evaluation.	GMP-h-CA199-Ab01; GMP-h-CA199-Ab02: Anti-human CA199 mouse monoclonal antibody(mAb)	Human Thymidine Kinase 1 (TK1) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Thymidine Kinase 1 (TK1) antibodies in TK1 level test of Cancer (hematological malignancies) and related syndrome evaluation.	

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Carbohydrate Antigen 50 (CA50)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-CA50	Human	Carbohydrate Antigen 50 (CA50)	pancreatic and colorectal cancer	GMP-h-CA50-Ag01: Recombinant human CA50 Protein	Carbohydrate Antigen 50 (CA50) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in CA50 level test of Cancer(pancreatic and colorectal cancer) and related syndrome evaluation.	GMP-h-CA50-Ab01; GMP-h-CA50-Ab02: Anti-human CA50 mouse monoclonal antibody(mAb)	Antibody Binding, Immunogen in Sandwich Elisa, tteral-flow tests, and other immunoassays in Carbohydrate Antigen 50 (CA50) level test in human infectious disease diagnosis-for West Nile fever.	

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Thymidine Kinase 1 (TK1)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-TK1	Human	Thymidine Kinase 1 (TK1)	hematological malignancies	GMP-h-TK1-Ag01: Recombinant human TK1 Protein	Thymidine Kinase 1 (TK1) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in TK1 level test of Cancer(hematological malignancies) and related syndrome evaluation.	GMP-h-TK1-Ab01; GMP-h-TK1-Ab02: Anti-human TK1 mouse monoclonal antibody(mAb)	Antibody Binding, Immunogen in Sandwich Elisa, tteral-flow tests, and other immunoassays in Thymidine Kinase 1 (TK1) level test in human infectious disease diagnosis-for West Nile fever.	

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Diagnostic antibodies and antigens for infectious disease detection

It is important to diagnose the infectious disease even before it becomes serious. The traditional pathogen-detection methods, such as culture, have established their credibility over time, they are often slow and relatively insensitive. In addition, there are several emerging infectious diseases (ID) such as dengue fever, zika virus, corona virus and so on are need to be diagnosed immediately to prevent the outbreak. Immunodiagnosics show great promise than the traditional methods used in clinical diagnosis. GENEMEDI developed the antigens and antibodies for rapid kit such as competitive immunoassay validation (Competitive ELISA) with hapten-carrier conjugates and anti-Hapten antibody, and Lateral flow immunoassay (LFIA) ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT to detect the different types of infectious disease.


Classification:	FLU A	FLU B	HIV-1	HIV-2	HIV1/2	HIV-O	HCV	TREPONEMA PALLIDUM	T. GONDII	RUBELLA VIRUS	CYTOMEGALOVIRUS	HSV	HSV-1	HSV-2
	B. ANTHRACIS	EBOLA VIRUS	VACCINIA VIRUS (COWPOX VIRUS)	WEST NILE VIRUS	ADENOVIRUS	PLASMODIUM VIVAX; PLASMODIUM FALCIPARUM	ASTROVIRUS	NOROVIRUS						
	C. JEJUNI	L. MONOCYTOGENES	ROTAVIRUS	SALMONELLA TYPHI	C. ALBICANS	HPV	HBV	HBV-PRES1	FOOD SOURCE PATHOGENIC BACTERIA RESISTANT					
	RIFT VALLEY FEVER	EBV	EBV-IGA	V. CHOLERAEE	M. TUBERCULOSIS	CRYPTOSPORIDIUM PARVUM (CP23)	RSV	RHINOVIRUSES	DENGUE NONSTRUCTURAL 1 (DEN-NS1)					
	ENTEROVIRUS	STREPTOLYSIN O	MYCOPLASMA PNEUMONIAE	HELICOBACTER PYLORI	PRP	STDS	ARTI	NUCLEOCAPSID						

Influenza A (flu A)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P001-Tg001	Influenza A (flu A)	nucleoprotein (NP)	Flu	GMP-IVD-P001-Tg001-Ag01: Recombinant Influenza A (flu A) nucleoprotein (NP) Protein	Influenza A (nucleoprotein (NP)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in nucleoprotein (NP) level test of Infectious disease (Flu) and related syndrome evaluation.	GMP-IVD-P001-Tg001-Ab01; GMP-IVD-P001-Tg001-Ab02: Anti-Influenza A (flu A) nucleoprotein (NP) mouse monoclonal antibody (mAb)	Influenza A (nucleoprotein (NP)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Influenza A (nucleoprotein (NP)) antibodies in nucleoprotein (NP) level test of Infectious disease (Flu) and related syndrome evaluation.	


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Influenza B (Flu B)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P002-Tg001	Influenza B (Flu B)	nucleoprotein (NP)	Flu	GMP-IVD-P002-Tg001- Ag01: Recombinant Influenza B (Flu B) nucleoprotein (NP) Protein	Influenza B (nucleoprotein (NP)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in nucleoprotein (NP) level test of Infectious disease (Flu) and related syndrome evaluation.	GMP-IVD-P002-Tg001- Ab01; GMP-IVD-P002-Tg001- Ab02: Anti-Influenza B (Flu B) nucleoprotein (NP) mouse monoclonal antibody (mAb)	Influenza B (nucleoprotein (NP)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Influenza B (nucleoprotein (NP)) antibodies in nucleoprotein (NP) level test of Infectious disease (Flu) and related syndrome evaluation.	


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Human immunodeficiency virus 1 (HIV-1)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P003-Tg001	Human immunodeficiency virus 1 (HIV-1)	GP41 Protein	Acquired immunodeficiency syndrome(AIDS)	GMP-IVD-P003-Tg001- Ag01: Recombinant Human immunodeficiency virus 1 (HIV-1) GP41 Protein Protein	Human immunodeficiency virus 1 (GP41 Protein) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in GP41 Protein level test of Infectious disease (Acquired immunodeficiency syndrome(AIDS)) and related syndrome evaluation.	GMP-IVD-P003-Tg001- Ab01; GMP-IVD-P003-Tg001- Ab02: Anti-Human immunodeficiency virus 1 (HIV-1) GP41 Protein mouse monoclonal antibody (mAb)	Human immunodeficiency virus 1 (GP41 Protein) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Human immunodeficiency virus 1 (GP41 Protein) antibodies in GP41 Protein level test of Infectious disease (Acquired immunodeficiency syndrome(AIDS)) and related syndrome evaluation.	


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Human immunodeficiency virus 2 (HIV-2)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P004-Tg001	Human immunodeficiency virus 2 (HIV-2)	GP36 Protein	Acquired immunodeficiency syndrome(AIDS)	GMP-IVD-P004-Tg001- Ag01: Recombinant Human immunodeficiency virus 2 (HIV-2) GP36 Protein Protein	Human immunodeficiency virus 2 (GP36 Protein) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in GP36 Protein level test of Infectious disease (Acquired immunodeficiency syndrome(AIDS)) and related syndrome evaluation.	GMP-IVD-P004-Tg001- Ab01; GMP-IVD-P004-Tg001- Ab02: Anti-Human immunodeficiency virus 2 (HIV-2) GP36 Protein mouse monoclonal antibody (mAb)	Human immunodeficiency virus 2 (GP36 Protein) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Human immunodeficiency virus 2 (GP36 Protein) antibodies in GP36 Protein level test of Infectious disease (Acquired immunodeficiency syndrome(AIDS)) and related syndrome evaluation.	

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immunodeficiency virus 1/2 (HIV1/2)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P005-Tg001	immunodeficiency virus 1/2 (HIV1/2)	HIV p24 antigen	AIDS	GMP-IVD-P005-Tg001- Ag01: Recombinant immunodeficiency virus 1/2 (HIV1/2) HIV p24 antigen Protein	immunodeficiency virus 1/2 (HIV p24 antigen) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in HIV p24 antigen level test of Infectious disease (AIDS) and related syndrome evaluation.	GMP-IVD-P005-Tg001- Ab01; GMP-IVD-P005-Tg001- Ab02: Anti-immunodeficiency virus 1/2 (HIV1/2) HIV p24 antigen mouse monoclonal antibody (mAb)	immunodeficiency virus 1/2 (HIV p24 antigen) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other immunodeficiency virus 1/2 (HIV p24 antigen) antibodies in HIV p24 antigen level test of Infectious disease (AIDS) and related syndrome evaluation.	

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immunodeficiency virus-O antigen (HIV-O)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P006-Tg001	immunodeficiency virus-O antigen (HIV-O)	O-antigen	AIDS	GMP-IVD-P006-Tg001-Ag01: Recombinant immunodeficiency virus-O antigen (HIV-O) O-antigen Protein	immunodeficiency virus-O antigen (O-antigen) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in O-antigen level test of Infectious disease (AIDS) and related syndrome evaluation.	GMP-IVD-P006-Tg001-Ab01; GMP-IVD-P006-Tg001-Ab02: Anti-immunodeficiency virus-O antigen (HIV-O) O-antigen mouse monoclonal antibody (mAb)	immunodeficiency virus-O antigen (O-antigen) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other immunodeficiency virus-O antigen (O-antigen) antibodies in O-antigen level test of Infectious disease (AIDS) and related syndrome evaluation.	


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hepatitis C virus (HCV)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P007-Tg001	hepatitis C virus (HCV)	Recombinant HCV NS3-NS4-NS5 fusion Protein (His Tag)	Hepatitis C	GMP-IVD-P007-Tg001-Ag01: Recombinant hepatitis C virus (HCV) Recombinant HCV NS3-NS4-NS5 fusion Protein (His Tag) Protein	HCV core antigen (Recombinant HCV NS3-NS4-NS5 fusion Protein (His Tag)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in Recombinant HCV NS3-NS4-NS5 fusion Protein (His Tag) level test of Infectious disease (Hepatitis C) and related syndrome evaluation.	GMP-IVD-P007-Tg001-Ab01; GMP-IVD-P007-Tg001-Ab02: Anti-hepatitis C virus (HCV) Recombinant HCV NS3-NS4-NS5 fusion Protein (His Tag) mouse monoclonal antibody (mAb)	HCV core antigen (Recombinant HCV NS3-NS4-NS5 fusion Protein (His Tag)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other HCV core antigen (Recombinant HCV NS3-NS4-NS5 fusion Protein (His Tag)) antibodies in Recombinant HCV NS3-NS4-NS5 fusion Protein (His Tag) level test of Infectious disease (Hepatitis C) and related syndrome evaluation.	


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Treponema Pallidum (TP)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P008-Tg001	Treponema Pallidum (TP)	Recombinant TP P15-P17-P47 fusion Protein (His Tag)	syphilis	GMP-IVD-P008-Tg001-Ag01: Recombinant Treponema Pallidum (TP) Recombinant TP P15-P17-P47 fusion Protein (His Tag) Protein	Treponema Pallidum (Recombinant TP P15-P17-P47 fusion Protein (His Tag)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in Recombinant TP P15-P17-P47 fusion Protein (His Tag) level test of Infectious disease (syphilis) and related syndrome evaluation.	GMP-IVD-P008-Tg001-Ab01; GMP-IVD-P008-Tg001-Ab02: Anti-Treponema Pallidum (TP) Recombinant TP P15-P17-P47 fusion Protein (His Tag) mouse monoclonal antibody (mAb)	Treponema Pallidum (Recombinant TP P15-P17-P47 fusion Protein (His Tag)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Treponema Pallidum (Recombinant TP P15-P17-P47 fusion Protein (His Tag)) antibodies in Recombinant TP P15-P17-P47 fusion Protein (His Tag) level test of Infectious disease (syphilis) and related syndrome evaluation.	

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Toxoplasma gondii (T. gondii)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P009-Tg001	Toxoplasma gondii (T. gondii)	P30	Toxoplasmosis	GMP-IVD-P009-Tg001-Ag01: Recombinant Toxoplasma gondii (T. gondii) P30 Protein	toxoplasma gondii (P30) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in P30 level test of Infectious disease (Toxoplasmosis) and related syndrome evaluation.	GMP-IVD-P009-Tg001-Ab01; GMP-IVD-P009-Tg001-Ab02: Anti-Toxoplasma gondii (T. gondii) P30 mouse monoclonal antibody (mAb)	toxoplasma gondii (P30) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other toxoplasma gondii (P30) antibodies in P30 level test of Infectious disease (Toxoplasmosis) and related syndrome evaluation.	

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rubella virus

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P010-Tg001	rubella virus	CAPSID (C)	Rubella or German measles or three-day measles	GMP-IVD-P010-Tg001-Ag01: Recombinant rubella virus CAPSID (C) Protein	rubella virus (CAPSID (C)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in CAPSID (C) level test of Infectious disease (Rubella or German measles or three-day measles) and related syndrome evaluation.	GMP-IVD-P010-Tg001-Ab01; GMP-IVD-P010-Tg001-Ab02: Anti-rubella virus CAPSID (C) mouse monoclonal antibody (mAb)	rubella virus (CAPSID (C)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other rubella virus (CAPSID (C)) antibodies in CAPSID (C) level test of Infectious disease (Rubella or German measles or three-day measles) and related syndrome evaluation.	
GMP-IVD-P010-Tg002	rubella virus	capsid protein; Nucleoprotein	Rubella	GMP-IVD-P010-Tg002-Ag01: Recombinant rubella virus capsid protein; Nucleoprotein Protein	rubella virus (capsid protein; Nucleoprotein) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in capsid protein; Nucleoprotein level test of Infectious disease (Rubella) and related syndrome evaluation.	GMP-IVD-P010-Tg002-Ab01; GMP-IVD-P010-Tg002-Ab02: Anti-rubella virus capsid protein; Nucleoprotein mouse monoclonal antibody (mAb)	rubella virus (capsid protein; Nucleoprotein) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other rubella virus (capsid protein; Nucleoprotein) antibodies in capsid protein; Nucleoprotein level test of Infectious disease (Rubella) and related syndrome evaluation.	


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Cytomegalovirus (CMV)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P011-Tg001	Cytomegalovirus (CMV)	pp65	chickenpox, herpes simplex and mononucleosis	GMP-IVD-P011-Tg001-Ag01: Recombinant Cytomegalovirus (CMV) pp65 Protein	Cytomegalovirus (pp65) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in pp65 level test of Infectious disease (chickenpox, herpes simplex and mononucleosis) and related syndrome evaluation.	GMP-IVD-P011-Tg001-Ab01; GMP-IVD-P011-Tg001-Ab02: Anti-Cytomegalovirus (CMV) pp65 mouse monoclonal antibody (mAb)	Cytomegalovirus (pp65) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Cytomegalovirus (pp65) antibodies in pp65 level test of Infectious disease (chickenpox, herpes simplex and mononucleosis) and related syndrome evaluation.	

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herpes simplex virus (HSV)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P012-Tg001	herpes simplex virus (HSV)	NA	HSV-1 and HSV-2, can cause oral or genital infection. Most often, HSV-1 causes gingivostomatitis, herpes labialis, and herpes keratitis. HSV-2 usually causes genital lesions. Generally, recurrent eruptions are less severe and occur less frequently over time.	GMP-IVD-P012-Tg001-Ag01: Recombinant herpes simplex virus (HSV) Protein	herpes simplex virus antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in herpes simplex virus level test of Infectious disease (HSV-1 and HSV-2, can cause oral or genital infection. Most often, HSV-1 causes gingivostomatitis, herpes labialis, and herpes keratitis. HSV-2 usually causes genital lesions. Generally, recurrent eruptions are less severe and occur less frequently over time.) and related syndrome evaluation.	GMP-IVD-P012-Tg001-Ab01; GMP-IVD-P012-Tg001-Ab02: Anti-herpes simplex virus (HSV) mouse monoclonal antibody (mAb)	herpes simplex virus antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other herpes simplex virus antibodies in herpes simplex virus level test of Infectious disease (HSV-1 and HSV-2, can cause oral or genital infection. Most often, HSV-1 causes gingivostomatitis, herpes labialis, and herpes keratitis. HSV-2 usually causes genital lesions. Generally, recurrent eruptions are less severe and occur less frequently over time.) and related syndrome evaluation.	

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Herpes simplex virus 1 (HSV-1)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P013-Tg001	Herpes simplex virus 1 (HSV-1)	glycoprotein G (gG-1)	oral herpes	GMP-IVD-P013-Tg001-Ag01: Recombinant Herpes simplex virus 1 (HSV-1) glycoprotein G (gG-1) Protein	Herpes simplex virus 1 (glycoprotein G (gG-1)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in glycoprotein G (gG-1) level test of Infectious disease (oral herpes) and related syndrome evaluation.	GMP-IVD-P013-Tg001-Ab01; GMP-IVD-P013-Tg001-Ab02: Anti-Herpes simplex virus 1 (HSV-1) glycoprotein G (gG-1) mouse monoclonal antibody (mAb)	Herpes simplex virus 1 (glycoprotein G (gG-1)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Herpes simplex virus 1 (glycoprotein G (gG-1)) antibodies in glycoprotein G (gG-1) level test of Infectious disease (oral herpes) and related syndrome evaluation.	


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Herpes simplex virus 2 (HSV-2)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P014-Tg001	Herpes simplex virus 2 (HSV-2)	glycoprotein G (gG-2)	genital herpes	GMP-IVD-P014-Tg001-Ag01: Recombinant Herpes simplex virus 2 (HSV-2) glycoprotein G (gG-2) Protein	Herpes simplex virus 2 (glycoprotein G (gG-2)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in glycoprotein G (gG-2) level test of Infectious disease (genital herpes) and related syndrome evaluation.	GMP-IVD-P014-Tg001-Ab01; GMP-IVD-P014-Tg001-Ab02: Anti-Herpes simplex virus 2 (HSV-2) glycoprotein G (gG-2) mouse monoclonal antibody (mAb)	Herpes simplex virus 2 (glycoprotein G (gG-2)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Herpes simplex virus 2 (glycoprotein G (gG-2)) antibodies in glycoprotein G (gG-2) level test of Infectious disease (genital herpes) and related syndrome evaluation.	


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Bacillus anthracis (B. anthracis)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P015-Tg001	Bacillus anthracis (B. anthracis)	protective antigen (PA)	Anthrax	GMP-IVD-P015-Tg001-Ag01: Recombinant Bacillus anthracis (B. anthracis) protective antigen (PA) Protein	anthrax bacillus (protective antigen (PA)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in protective antigen (PA) level test of Infectious disease (Anthrax) and related syndrome evaluation.	GMP-IVD-P015-Tg001-Ab01; GMP-IVD-P015-Tg001-Ab02: Anti-Bacillus anthracis (B. anthracis) protective antigen (PA) mouse monoclonal antibody (mAb)	anthrax bacillus (protective antigen (PA)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other anthrax bacillus (protective antigen (PA)) antibodies in protective antigen (PA) level test of Infectious disease (Anthrax) and related syndrome evaluation.	

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Ebola virus (EV)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P016-Tg001	ebola virus (EV)	nucleoprotein (NP)	Ebola Virus Disease	GMP-IVD-P016-Tg001-Ag01: Recombinant ebola virus (EV) nucleoprotein (NP) Protein	ebola virus (nucleoprotein (NP)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in nucleoprotein (NP) level test of Infectious disease (Ebola Virus Disease) and related syndrome evaluation.	GMP-IVD-P016-Tg001-Ab01; GMP-IVD-P016-Tg001-Ab02: Anti-ebola virus (EV) nucleoprotein (NP) mouse monoclonal antibody (mAb)	ebola virus (nucleoprotein (NP)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other ebola virus (nucleoprotein (NP)) antibodies in nucleoprotein (NP) level test of Infectious disease (Ebola Virus Disease) and related syndrome evaluation.	

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Vaccinia virus (cowpox virus)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P017-Tg001	Vaccinia virus (cowpox virus)	NA	Cowpox	GMP-IVD-P017-Tg001-Ag01: Recombinant Vaccinia virus (cowpox virus) Protein	Vaccinia virus (cowpox virus) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in Vaccinia virus (cowpox virus) level test of Infectious disease (Cowpox) and related syndrome evaluation.	GMP-IVD-P017-Tg001-Ab01; GMP-IVD-P017-Tg001-Ab02: Anti-Vaccinia virus (cowpox virus) mouse monoclonal antibody (mAb)	Vaccinia virus (cowpox virus) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Vaccinia virus (cowpox virus) antibodies in Vaccinia virus (cowpox virus) level test of Infectious disease (Cowpox) and related syndrome evaluation.	

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West Nile virus (WNV)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P018-Tg001	West Nile virus (WNV)	envelope (E)	West Nile fever	GMP-IVD-P018-Tg001-Ag01: Recombinant West Nile virus (WNV) envelope (E) Protein	West Nile virus (envelope (E)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in envelope (E) level test of Infectious disease (West Nile fever) and related syndrome evaluation.	GMP-IVD-P018-Tg001-Ab01; GMP-IVD-P018-Tg001-Ab02: Anti-West Nile virus (WNV) envelope (E) mouse monoclonal antibody (mAb)	West Nile virus (envelope (E)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other West Nile virus (envelope (E)) antibodies in envelope (E) level test of Infectious disease (West Nile fever) and related syndrome evaluation.	

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Adenovirus

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P019-Tg001	adenovirus	NA	cold-like symptoms, fever, sore throat, bronchitis, pneumonia, diarrhea, and pink eye (conjunctivitis)	GMP-IVD-P019-Tg001-Ag01: Recombinant adenovirus Protein	adenovirus antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in adenovirus level test of Infectious disease (cold-like symptoms, fever, sore throat, bronchitis, pneumonia, diarrhea, and pink eye (conjunctivitis)) and related syndrome evaluation.	GMP-IVD-P019-Tg001-Ab01; GMP-IVD-P019-Tg001-Ab02: Anti-adenovirus mouse monoclonal antibody (mAb)	adenovirus antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other adenovirus antibodies in adenovirus level test of Infectious disease (cold-like symptoms, fever, sore throat, bronchitis, pneumonia, diarrhea, and pink eye (conjunctivitis)) and related syndrome evaluation.	

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Plasmodium vivax; Plasmodium falciparum

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P020-Tg001	Plasmodium vivax; Plasmodium falciparum	merozoite surface protein (MSP) (Plasmodium vivax); Circumsporozoite Protein (CSP) (Plasmodium falciparum)	malaria	GMP-IVD-P020-Tg001-Ag01: Recombinant Plasmodium vivax; Plasmodium falciparum merozoite surface protein (MSP) (Plasmodium vivax); Circumsporozoite Protein (CSP) (Plasmodium falciparum) Protein	malaria (merozoite surface protein (MSP) (Plasmodium vivax); Circumsporozoite Protein (CSP) (Plasmodium falciparum)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in merozoite surface protein (MSP) (Plasmodium vivax); Circumsporozoite Protein (CSP) (Plasmodium falciparum) level test of Infectious disease (malaria) and related syndrome evaluation.	GMP-IVD-P020-Tg001-Ab01; GMP-IVD-P020-Tg001-Ab02: Anti-Plasmodium vivax; Plasmodium falciparum merozoite surface protein (MSP) (Plasmodium vivax); Circumsporozoite Protein (CSP) (Plasmodium falciparum) mouse monoclonal antibody (mAb)	malaria (merozoite surface protein (MSP) (Plasmodium vivax); Circumsporozoite Protein (CSP) (Plasmodium falciparum)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other malaria (merozoite surface protein (MSP) (Plasmodium vivax); Circumsporozoite Protein (CSP) (Plasmodium falciparum)) antibodies in merozoite surface protein (MSP) (Plasmodium vivax); Circumsporozoite Protein (CSP) (Plasmodium falciparum) level test of Infectious disease (malaria) and related syndrome evaluation.	

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Astrovirus

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P021-Tg001	Astrovirus	capsid proteins	gastroenteritis	GMP-IVD-P021-Tg001-Ag01: Recombinant Astrovirus capsid proteins Protein	Astrovirus (capsid proteins) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in capsid proteins level test of Infectious disease (gastroenteritis) and related syndrome evaluation.	GMP-IVD-P021-Tg001-Ab01; GMP-IVD-P021-Tg001-Ab02: Anti-Astrovirus capsid proteins mouse monoclonal antibody (mAb)	Astrovirus (capsid proteins) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Astrovirus (capsid proteins) antibodies in capsid proteins level test of Infectious disease (gastroenteritis) and related syndrome evaluation.	


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Norovirus (NV)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P022-Tg001	Norovirus (NV)	VP1	vomiting and diarrhea	GMP-IVD-P022-Tg001-Ag01: Recombinant Norovirus (NV) VP1 Protein	Norovirus (VP1) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in VP1 level test of Infectious disease (vomiting and diarrhea) and related syndrome evaluation.	GMP-IVD-P022-Tg001-Ab01; GMP-IVD-P022-Tg001-Ab02: Anti-Norovirus (NV) VP1 mouse monoclonal antibody (mAb)	Norovirus (VP1) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Norovirus (VP1) antibodies in VP1 level test of Infectious disease (vomiting and diarrhea) and related syndrome evaluation.	


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Campylobacter jejuni (C. jejuni)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P023-Tg001	Campylobacter jejuni (C. jejuni)	Outer Membrane Protein (OMP); Flagellar L-ring protein (FLGH)	gastroenteritis	GMP-IVD-P023-Tg001-Ag01: Recombinant Campylobacter jejuni (C. jejuni) Outer Membrane Protein (OMP); Flagellar L-ring protein (FLGH) Protein	Campylobacter jejuni (Outer Membrane Protein (OMP); Flagellar L-ring protein (FLGH)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in Outer Membrane Protein (OMP); Flagellar L-ring protein (FLGH) level test of Infectious disease (gastroenteritis) and related syndrome evaluation.	GMP-IVD-P023-Tg001-Ab01; GMP-IVD-P023-Tg001-Ab02: Anti-Campylobacter jejuni (C. jejuni) Outer Membrane Protein (OMP); Flagellar L-ring protein (FLGH) mouse monoclonal antibody (mAb)	Campylobacter jejuni (Outer Membrane Protein (OMP); Flagellar L-ring protein (FLGH)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Campylobacter jejuni (Outer Membrane Protein (OMP); Flagellar L-ring protein (FLGH)) antibodies in Outer Membrane Protein (OMP); Flagellar L-ring protein (FLGH) level test of Infectious disease (gastroenteritis) and related syndrome evaluation.	

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Listeria monocytogenes (L. monocytogenes)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P024-Tg001	Listeria monocytogenes (L. monocytogenes)	Listeriolysin O (LLO)	Listeriosis	GMP-IVD-P024-Tg001-Ag01: Recombinant Listeria monocytogenes (L. monocytogenes) Listeriolysin O (LLO) Protein	Listeria monocytogenes (Listeriolysin O (LLO)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in Listeriolysin O (LLO) level test of Infectious disease (Listeriosis) and related syndrome evaluation.	GMP-IVD-P024-Tg001-Ab01; GMP-IVD-P024-Tg001-Ab02: Anti-Listeria monocytogenes (L. monocytogenes) Listeriolysin O (LLO) mouse monoclonal antibody (mAb)	Listeria monocytogenes (Listeriolysin O (LLO)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Listeria monocytogenes (Listeriolysin O (LLO)) antibodies in Listeriolysin O (LLO) level test of Infectious disease (Listeriosis) and related syndrome evaluation.	

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Rotavirus

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P025-Tg001	rotavirus	VP6	watery diarrhea and vomiting	GMP-IVD-P025-Tg001-Ag01: Recombinant rotavirus VP6 Protein	rotavirus (VP6) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in VP6 level test of Infectious disease (watery diarrhea and vomiting) and related syndrome evaluation.	GMP-IVD-P025-Tg001-Ab01; GMP-IVD-P025-Tg001-Ab02: Anti-rotavirus VP6 mouse monoclonal antibody (mAb)	rotavirus (VP6) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other rotavirus (VP6) antibodies in VP6 level test of Infectious disease (watery diarrhea and vomiting) and related syndrome evaluation.	


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Salmonella typhi

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P026-Tg001	Salmonella typhi	outer membrane channel protein (Tolc) OMP 50 (Salmonella typhi)	Salmonellosis	GMP-IVD-P026-Tg001-Ag01: Recombinant Salmonella typhi outer membrane channel protein (Tolc) OMP 50 (Salmonella typhi) Protein	salmonella (outer membrane channel protein (Tolc) OMP 50 (Salmonella typhi)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in outer membrane channel protein (Tolc) OMP 50 (Salmonella typhi) level test of Infectious disease (Salmonellosis) and related syndrome evaluation.	GMP-IVD-P026-Tg001-Ab01; GMP-IVD-P026-Tg001-Ab02: Anti-Salmonella typhi outer membrane channel protein (Tolc) OMP 50 (Salmonella typhi) mouse monoclonal antibody (mAb)	salmonella (outer membrane channel protein (Tolc) OMP 50 (Salmonella typhi)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other salmonella (outer membrane channel protein (Tolc) OMP 50 (Salmonella typhi)) antibodies in outer membrane channel protein (Tolc) OMP 50 (Salmonella typhi) level test of Infectious disease (Salmonellosis) and related syndrome evaluation.	


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Candida albicans (C. albicans)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P027-Tg001	Candida albicans (C. albicans)	enolase (Candida albicans)	Candidiasis	GMP-IVD-P027-Tg001-Ag01: Recombinant Candida albicans (C. albicans) enolase (Candida albicans) Protein	candida (enolase (Candida albicans)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in enolase (Candida albicans) level test of Infectious disease (Candidiasis) and related syndrome evaluation.	GMP-IVD-P027-Tg001-Ab01; GMP-IVD-P027-Tg001-Ab02: Anti-Candida albicans (C. albicans) enolase (Candida albicans) mouse monoclonal antibody (mAb)	candida (enolase (Candida albicans)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other candida (enolase (Candida albicans)) antibodies in enolase (Candida albicans) level test of Infectious disease (Candidiasis) and related syndrome evaluation.	

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Human papilloma virus (HPV)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P028-Tg001	Human papilloma virus (HPV)	HPV 16 L1 capsid protein	cervical and other cancers	GMP-IVD-P028-Tg001-Ag01: Recombinant Human papilloma virus (HPV) HPV 16 L1 capsid protein Protein	papilloma virus (HPV 16 L1 capsid protein) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in HPV 16 L1 capsid protein level test of Infectious disease (cervical and other cancers) and related syndrome evaluation.	GMP-IVD-P028-Tg001-Ab01; GMP-IVD-P028-Tg001-Ab02: Anti-Human papilloma virus (HPV) HPV 16 L1 capsid protein mouse monoclonal antibody (mAb)	papilloma virus (HPV 16 L1 capsid protein) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other papilloma virus (HPV 16 L1 capsid protein) antibodies in HPV 16 L1 capsid protein level test of Infectious disease (cervical and other cancers) and related syndrome evaluation.	

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Hepatitis b virus (HBV)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P029-Tg001	Hepatitis b virus (HBV)	HBsAg (hepatitis B surface antigen)	Hepatitis B	GMP-IVD-P029-Tg001-Ag01: Recombinant Hepatitis b virus (HBV) HBsAg Protein	Hepatitis B s antigen (HBsAg) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in HBsAg level test of Infectious disease (Hepatitis B) and related syndrome evaluation.	GMP-IVD-P029-Tg001-Ab01; GMP-IVD-P029-Tg001-Ab02: Anti-Hepatitis B virus (HBV) HBsAg mouse monoclonal antibody (mAb)	Hepatitis B s antigen (HBsAg) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Hepatitis B s antigen (HBsAg) antibodies in HBsAg level test of Infectious disease (Hepatitis B) and related syndrome evaluation.	
GMP-IVD-P029-Tg002	Hepatitis B virus (HBV)	HBeAg (hepatitis B e-antigen)	Hepatitis B	GMP-IVD-P029-Tg002-Ag01: Recombinant Hepatitis B virus (HBV) HBeAg Protein	Hepatitis B e antigen (HBeAg) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in HBeAg level test of Infectious disease (Hepatitis B) and related syndrome evaluation.	GMP-IVD-P029-Tg002-Ab01; GMP-IVD-P029-Tg002-Ab02: Anti-Hepatitis B virus (HBV) HBeAg mouse monoclonal antibody (mAb)	Hepatitis B e antigen (HBeAg) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other hepatitis B e antigen (HBeAg) antibodies in HBeAg level test of Infectious disease (Hepatitis B) and related syndrome evaluation.	
GMP-IVD-P029-Tg003	Hepatitis B virus (HBV)	HBcAg (hepatitis B Core antigen)	Hepatitis B	GMP-IVD-P029-Tg003-Ag01: Recombinant Hepatitis B virus (HBV) HBcAg Protein	Hepatitis B core antigen (HBcAg) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in HBcAg level test of Infectious disease (Hepatitis B) and related syndrome evaluation.	GMP-IVD-P029-Tg003-Ab01; GMP-IVD-P029-Tg003-Ab02: Anti-Hepatitis B virus (HBV) HBcAg mouse monoclonal antibody (mAb)	Hepatitis B core antigen (HBcAg) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other hepatitis B core antigen (HBcAg) antibodies in HBcAg level test of Infectious disease (Hepatitis B) and related syndrome evaluation.	


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Hepatitis B virus-PreS1 (HBV-PreS1)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P030-Tg001	Hepatitis B virus-PreS1 (HBV-PreS1)	PreS1	Hepatitis B	GMP-IVD-P030-Tg001-Ag01: Recombinant Hepatitis B virus-PreS1 (HBV-PreS1) PreS1 Protein	Hepatitis B virus-PreS1 (PreS1) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in PreS1 level test of Infectious disease (Hepatitis B) and related syndrome evaluation.	GMP-IVD-P030-Tg001-Ab01; GMP-IVD-P030-Tg001-Ab02: Anti-Hepatitis B virus-PreS1 (HBV-PreS1) PreS1 mouse monoclonal antibody (mAb)	Hepatitis B virus-PreS1 (PreS1) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Hepatitis B virus-PreS1 (PreS1) antibodies in PreS1 level test of Infectious disease (Hepatitis B) and related syndrome evaluation.	

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Food source pathogenic bacteria resistant

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P031-Tg001	NA	NA	Food source pathogenic bacteria resistant	GMP-IVD-P031-Tg001-Ag01: Recombinant Food source pathogenic bacteria resistant Protein	Food source pathogenic bacteria resistant antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in Food source pathogenic bacteria resistant level test of Infectious disease (Food source pathogenic bacteria resistant) and related syndrome evaluation.	GMP-IVD-P031-Tg001-Ab01; GMP-IVD-P031-Tg001-Ab02: Anti-Food source pathogenic bacteria resistant mouse monoclonal antibody (mAb)	Food source pathogenic bacteria resistant antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Food source pathogenic bacteria resistant antibodies in Food source pathogenic bacteria resistant level test of Infectious disease (Food source pathogenic bacteria resistant) and related syndrome evaluation.	

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Rift Valley Fever (RVF)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P032-Tg001	Rift Valley Fever (RVF)	nucleoprotein (NP)	Rift Valley Fever	GMP-IVD-P032-Tg001-Ag01: Recombinant Rift Valley Fever (RVF) nucleoprotein (NP) Protein	Rift Valley Fever (nucleoprotein (NP)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in nucleoprotein (NP) level test of Infectious disease(Rift Valley Fever) and related syndrome evaluation.	GMP-IVD-P032-Tg001-Ab01; GMP-IVD-P032-Tg001-Ab02: Anti-Rift Valley Fever (RVF) nucleoprotein (NP) mouse monoclonal antibody (mAb)	Rift Valley Fever (nucleoprotein (NP)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Rift Valley Fever (nucleoprotein (NP)) antibodies in nucleoprotein (NP) level test of Infectious disease (Rift Valley Fever) and related syndrome evaluation.	


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Epstein-Barr virus (EBV)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P033-Tg001	Epstein-Barr virus (EBV)	Nuclear Antigen (EBNA1); capsid antigen (EB-VCA)	infectious mononucleosis	GMP-IVD-P033-Tg001-Ag01: Recombinant Epstein-Barr virus (EBV) Nuclear Antigen (EBNA1); capsid antigen (EB-VCA) Protein	Epstein-Barr virus (Nuclear Antigen (EBNA1); capsid antigen (EB-VCA)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in Nuclear Antigen (EBNA1); capsid antigen (EB-VCA) level test of Infectious disease(infectious mononucleosis) and related syndrome evaluation.	GMP-IVD-P033-Tg001-Ab01; GMP-IVD-P033-Tg001-Ab02: Anti-Epstein-Barr virus (EBV) Nuclear Antigen (EBNA1); capsid antigen (EB-VCA) mouse monoclonal antibody (mAb)	Epstein-Barr virus (Nuclear Antigen (EBNA1); capsid antigen (EB-VCA)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Epstein-Barr virus (Nuclear Antigen (EBNA1); capsid antigen (EB-VCA)) antibodies in Nuclear Antigen (EBNA1); capsid antigen (EB-VCA) level test of Infectious disease (infectious mononucleosis) and related syndrome evaluation.	


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Epstein-Barr virus-IgA (EBV-IgA)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P034-Tg001	Epstein-Barr virus-IgA (EBV-IgA)	NA	infectious mononucleosis	GMP-IVD-P034-Tg001-Ag01: Recombinant Epstein-Barr virus-IgA (EBV-IgA) Protein	Epstein-Barr virus-IgA () antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in level test of Infectious disease(infectious mononucleosis) and related syndrome evaluation.	GMP-IVD-P034-Tg001-Ab01; GMP-IVD-P034-Tg001-Ab02: Anti- mouse monoclonal antibody (mAb)	Epstein-Barr virus-IgA () antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Epstein-Barr virus-IgA () antibodies in level test of Infectious disease (infectious mononucleosis) and related syndrome evaluation.	

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Vibrio cholerae (V. cholerae)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P035-Tg001	Vibrio cholerae (V. cholerae)	cytotoxin B (CtxB)	Cholera	GMP-IVD-P035-Tg001-Ag01: Recombinant Vibrio cholerae (V. cholerae) cytotoxin B (CtxB) Protein	Vibrio cholerae (cytotoxin B (CtxB)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in cytotoxin B (CtxB) level test of Infectious disease(Cholera) and related syndrome evaluation.	GMP-IVD-P035-Tg001-Ab01; GMP-IVD-P035-Tg001-Ab02: Anti-Vibrio cholerae (V. cholerae) cytotoxin B (CtxB) mouse monoclonal antibody (mAb)	Vibrio cholerae (cytotoxin B (CtxB)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Vibrio cholerae (cytotoxin B (CtxB)) antibodies in cytotoxin B (CtxB) level test of Infectious disease (Cholera) and related syndrome evaluation.	

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Mycobacterium tuberculosis (M. tuberculosis)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P036-Tg001	Mycobacterium tuberculosis (M. tuberculosis)	M. tb	Tuberculosis (TB)	GMP-IVD-P036-Tg001-Ag01: Recombinant Mycobacterium tuberculosis (M. tuberculosis) M. tb Protein	Mycobacterium tuberculosis (M. tb) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in M. tb level test of Infectious disease(Tuberculosis (TB)) and related syndrome evaluation.	GMP-IVD-P036-Tg001-Ab01; GMP-IVD-P036-Tg001-Ab02: Anti-Mycobacterium tuberculosis (M. tuberculosis) M. tb mouse monoclonal antibody (mAb)	Mycobacterium tuberculosis (M. tb) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Mycobacterium tuberculosis (M. tb) antibodies in M. tb level test of Infectious disease (Tuberculosis (TB)) and related syndrome evaluation.	

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Cryptosporidium parvum (Cp23)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P037-Tg001	Cryptosporidium parvum (Cp23)	Crypto	cryptosporidiosis	GMP-IVD-P037-Tg001-Ag01: Recombinant Cryptosporidium parvum (Cp23) Crypto Protein	Cryptosporidium (Crypto) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in Crypto level test of Infectious disease(cryptosporidiosis) and related syndrome evaluation.	GMP-IVD-P037-Tg001-Ab01; GMP-IVD-P037-Tg001-Ab02: Anti-Cryptosporidium parvum (Cp23) Crypto mouse monoclonal antibody (mAb)	Cryptosporidium (Crypto) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Cryptosporidium (Crypto) antibodies in Crypto level test of Infectious disease (cryptosporidiosis) and related syndrome evaluation.	

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Respiratory syncytial virus (RSV)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P038-Tg001	Respiratory syncytial virus (RSV)	major surface glycoproteins (G and F)	cold	GMP-IVD-P038-Tg001-Ag01: Recombinant Respiratory syncytial virus (RSV) major surface glycoproteins (G and F) Protein	Respiratory syncytial virus (major surface glycoproteins (G and F)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in major surface glycoproteins (G and F) level test of Infectious disease(cold) and related syndrome evaluation.	GMP-IVD-P038-Tg001-Ab01; GMP-IVD-P038-Tg001-Ab02: Anti-Respiratory syncytial virus (RSV) major surface glycoproteins (G and F) mouse monoclonal antibody (mAb)	Respiratory syncytial virus (major surface glycoproteins (G and F)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Respiratory syncytial virus (major surface glycoproteins (G and F)) antibodies in major surface glycoproteins (G and F) level test of Infectious disease (cold) and related syndrome evaluation.	

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Rhinoviruses (RV)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P039-Tg001	Rhinoviruses (RV)	VP1 and VP3	common cold	GMP-IVD-P039-Tg001-Ag01: Recombinant Rhinoviruses (RV) VP1 and VP3 Protein	Rhinoviruses (VP1 and VP3) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in VP1 and VP3 level test of Infectious disease(common cold) and related syndrome evaluation.	GMP-IVD-P039-Tg001-Ab01; GMP-IVD-P039-Tg001-Ab02: Anti-Rhinoviruses (RV) VP1 and VP3 mouse monoclonal antibody (mAb)	Rhinoviruses (VP1 and VP3) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Rhinoviruses (VP1 and VP3) antibodies in VP1 and VP3 level test of Infectious disease (common cold) and related syndrome evaluation.	

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dengue nonstructural 1 (DEN-NS1)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P040-Tg001	dengue nonstructural 1 (DEN-NS1)	nonstructural protein 1 (NS1)	dengue	GMP-IVD-P040-Tg001-Ag01: Recombinant dengue nonstructural 1 (DEN-NS1) nonstructural protein 1 (NS1) Protein	dengue nonstructural 1 (nonstructural protein 1 (NS1)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in nonstructural protein 1 (NS1) level test of Infectious disease(dengue) and related syndrome evaluation.	GMP-IVD-P040-Tg001-Ab01; GMP-IVD-P040-Tg001-Ab02: Anti-dengue nonstructural 1 (DEN-NS1) nonstructural protein 1 (NS1) mouse monoclonal antibody (mAb)	dengue nonstructural 1 (nonstructural protein 1 (NS1)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other dengue nonstructural 1 (nonstructural protein 1 (NS1)) antibodies in nonstructural protein 1 (NS1) level test of Infectious disease (dengue) and related syndrome evaluation.	

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Enterovirus 71-IgM (EV71-IgM)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P041-Tg001	Enterovirus 71-IgM (EV71-IgM)	VP1	neurological diseases	GMP-IVD-P041-Tg001-Ag01: Recombinant Enterovirus 71-IgM (EV71-IgM) VP1 Protein	Enterovirus 71-IgM (VP1) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in VP1 level test of Infectious disease(neurological diseases) and related syndrome evaluation.	GMP-IVD-P041-Tg001-Ab01; GMP-IVD-P041-Tg001-Ab02: Anti-Enterovirus 71-IgM (EV71-IgM) VP1 mouse monoclonal antibody (mAb)	Enterovirus 71-IgM (VP1) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Enterovirus 71-IgM (VP1) antibodies in VP1 level test of Infectious disease (neurological diseases) and related syndrome evaluation.	

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streptolysin O (SLO)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P042-Tg001	streptolysin O (SLO)	streptolysin O	Streptococcus pyogenes infection	GMP-IVD-P042-Tg001-Ag01: Recombinant streptolysin O (SLO) streptolysin O Protein	streptolysin O (streptolysin O) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in streptolysin O level test of Infectious disease(Streptococcus pyogenes infection) and related syndrome evaluation.	GMP-IVD-P042-Tg001-Ab01; GMP-IVD-P042-Tg001-Ab02: Anti-streptolysin O (SLO) streptolysin O mouse monoclonal antibody (mAb)	streptolysin O (streptolysin O) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other streptolysin O (streptolysin O) antibodies in streptolysin O level test of Infectious disease (Streptococcus pyogenes infection) and related syndrome evaluation.	

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Mycoplasma pneumoniae

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P043-Tg001	Mycoplasma pneumoniae	M-P1-10	pneumonia	GMP-IVD-P043-Tg001-Ag01: Recombinant Mycoplasma pneumoniae M-P1-10 Protein	Mycoplasma pneumoniae P1 adhesion protein (M-P1-10) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in M-P1-10 level test of Infectious disease(pneumonia) and related syndrome evaluation.	GMP-IVD-P043-Tg001-Ab01; GMP-IVD-P043-Tg001-Ab02: Anti-Mycoplasma pneumoniae M-P1-10 mouse monoclonal antibody (mAb)	Mycoplasma pneumoniae P1 adhesion protein (M-P1-10) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Mycoplasma pneumoniae P1 adhesion protein (M-P1-10) antibodies in M-P1-10 level test of Infectious disease (pneumonia) and related syndrome evaluation.	

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Helicobacter pylori (H. pylori)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P044-Tg001	Helicobacter pylori (H. pylori)	flagellin A; outer membrane protein	peptic ulcer and gastritis	GMP-IVD-P044-Tg001-Ag01: Recombinant Helicobacter pylori (H. pylori) flagellin A; outer membrane protein Protein	Helicobacter pylori (flagellin A; outer membrane protein) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in flagellin A; outer membrane protein level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	GMP-IVD-P044-Tg001-Ab01; GMP-IVD-P044-Tg001-Ab02: Anti-Helicobacter pylori (H. pylori) flagellin A; outer membrane protein mouse monoclonal antibody (mAb)	Helicobacter pylori (flagellin A; outer membrane protein) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Helicobacter pylori (flagellin A; outer membrane protein) antibodies in flagellin A; outer membrane protein level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	
GMP-IVD-P044-Tg002	Helicobacter pylori (H. pylori)	FlaA	peptic ulcer and gastritis	GMP-IVD-P044-Tg002-Ag01: Recombinant Helicobacter pylori (H. pylori) FlaA Protein	Helicobacter pylori flagellin A (FlaA) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in FlaA level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	GMP-IVD-P044-Tg002-Ab01; GMP-IVD-P044-Tg002-Ab02: Anti-Helicobacter pylori (H. pylori) FlaA mouse monoclonal antibody (mAb)	Helicobacter pylori flagellin A (FlaA) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Helicobacter pylori flagellin A (FlaA) antibodies in FlaA level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	
GMP-IVD-P044-Tg003	Helicobacter pylori (H. pylori)	FlaB	peptic ulcer and gastritis	GMP-IVD-P044-Tg003-Ag01: Recombinant Helicobacter pylori (H. pylori) FlaB Protein	Helicobacter pylori flagellin B (FlaB) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in FlaB level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	GMP-IVD-P044-Tg003-Ab01; GMP-IVD-P044-Tg003-Ab02: Anti-Helicobacter pylori (H. pylori) FlaB mouse monoclonal antibody (mAb)	Helicobacter pylori flagellin B (FlaB) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Helicobacter pylori flagellin B (FlaB) antibodies in FlaB level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	
GMP-IVD-P044-Tg004	Helicobacter pylori (H. pylori)	Vac A	peptic ulcer and gastritis	GMP-IVD-P044-Tg004-Ag01: Recombinant Helicobacter pylori (H. pylori) Vac A Protein	Helicobacter pylori vacuolar cytotoxin A (Vac A) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in Vac A level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	GMP-IVD-P044-Tg004-Ab01; GMP-IVD-P044-Tg004-Ab02: Anti-Helicobacter pylori (H. pylori) Vac A mouse monoclonal antibody (mAb)	Helicobacter pylori vacuolar cytotoxin A (Vac A) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Helicobacter pylori vacuolar cytotoxin A (Vac A) antibodies in Vac A level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	
GMP-IVD-P044-Tg005	Helicobacter pylori (H. pylori)	Ure B	peptic ulcer and gastritis	GMP-IVD-P044-Tg005-Ag01: Recombinant Helicobacter pylori (H. pylori) Ure B Protein	Helicobacter pylori urease B (Ure B) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in Ure B level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	GMP-IVD-P044-Tg005-Ab01; GMP-IVD-P044-Tg005-Ab02: Anti-Helicobacter pylori (H. pylori) Ure B mouse monoclonal antibody (mAb)	Helicobacter pylori urease B (Ure B) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Helicobacter pylori urease B (Ure B) antibodies in Ure B level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	
GMP-IVD-P044-Tg006	Helicobacter pylori (H. pylori)	HSP	peptic ulcer and gastritis	GMP-IVD-P044-Tg006-Ag01: Recombinant Helicobacter pylori (H. pylori) HSP Protein	Helicobacter pylori heat shock protein (HSP) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in HSP level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	GMP-IVD-P044-Tg006-Ab01; GMP-IVD-P044-Tg006-Ab02: Anti-Helicobacter pylori (H. pylori) HSP mouse monoclonal antibody (mAb)	Helicobacter pylori heat shock protein (HSP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Helicobacter pylori heat shock protein (HSP) antibodies in HSP level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	
GMP-IVD-P044-Tg007	Helicobacter pylori (H. pylori)	OMP-1	peptic ulcer and gastritis	GMP-IVD-P044-Tg007-Ag01: Recombinant Helicobacter pylori (H. pylori) OMP-1 Protein	Helicobacter pylori outer membrane protein 1 (OMP-1) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in OMP-1 level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	GMP-IVD-P044-Tg007-Ab01; GMP-IVD-P044-Tg007-Ab02: Anti-Helicobacter pylori (H. pylori) OMP-1 mouse monoclonal antibody (mAb)	Helicobacter pylori outer membrane protein 1 (OMP-1) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Helicobacter pylori outer membrane protein 1 (OMP-1) antibodies in OMP-1 level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P044-Tg008	Helicobacter pylori (H. pylori)	OMP-2	peptic ulcer and gastritis	GMP-IVD-P044-Tg008-Ag01: Recombinant Helicobacter pylori (H. pylori) OMP-2 Protein	Helicobacter pylori outer membrane protein 3 (OMP-2) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in OMP-2 level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	GMP-IVD-P044-Tg008-Ab01; GMP-IVD-P044-Tg008-Ab02: Anti-Helicobacter pylori (H. pylori) OMP-2 mouse monoclonal antibody (mAb)	Helicobacter pylori outer membrane protein 3 (OMP-2) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Helicobacter pylori outer membrane protein 3 (OMP-2) antibodies in OMP-2 level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	
GMP-IVD-P044-Tg009	Helicobacter pylori (H. pylori)	CagA	peptic ulcer and gastritis	GMP-IVD-P044-Tg009-Ag01: Recombinant Helicobacter pylori (H. pylori) CagA Protein	Helicobacter pylori cytotoxin-related protein A (CagA) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in CagA level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	GMP-IVD-P044-Tg009-Ab01; GMP-IVD-P044-Tg009-Ab02: Anti-Helicobacter pylori (H. pylori) CagA mouse monoclonal antibody (mAb)	Helicobacter pylori cytotoxin-related protein A (CagA) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Helicobacter pylori cytotoxin-related protein A (CagA) antibodies in CagA level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	

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PrP

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P045-Tg001	NA	PrP	Transmissible spongiform encephalopathies	GMP-IVD-P045-Tg001-Ag01: Recombinant PrP Protein	Prion (PrP) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in PrP level test of Infectious disease (Transmissible spongiform encephalopathies) and related syndrome evaluation.	GMP-IVD-P045-Tg001-Ab01; GMP-IVD-P045-Tg001-Ab02: Anti-PrP mouse monoclonal antibody (mAb)	Prion (PrP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Prion (PrP) antibodies in PrP level test of Infectious disease (Transmissible spongiform encephalopathies) and related syndrome evaluation.	

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STDs

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P046-Tg001	NA	STDs	Sexually transmitted diseases	GMP-IVD-P046-Tg001-Ag01: Recombinant STDs Protein	Sexually transmitted diseases (STDs) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in STDs level test of Infectious disease (Sexually transmitted diseases) and related syndrome evaluation.	GMP-IVD-P046-Tg001-Ab01; GMP-IVD-P046-Tg001-Ab02: Anti-STDs mouse monoclonal antibody (mAb)	Sexually transmitted diseases (STDs) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Sexually transmitted diseases (STDs) antibodies in STDs level test of Infectious disease (Sexually transmitted diseases) and related syndrome evaluation.	

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ARTI

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P047-Tg001	NA	ARTI	acute respiratory infectious diseases	GMP-IVD-P047-Tg001-Ag01: Recombinant ARTI Protein	acute respiratory infectious diseases (ARTI) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in ARTI level test of Infectious disease (acute respiratory infectious diseases) and related syndrome evaluation.	GMP-IVD-P047-Tg001-Ab01; GMP-IVD-P047-Tg001-Ab02: Anti-ARTI mouse monoclonal antibody (mAb)	acute respiratory infectious diseases (ARTI) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other acute respiratory infectious diseases (ARTI) antibodies in ARTI level test of Infectious disease (acute respiratory infectious diseases) and related syndrome evaluation.	

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Nucleocapsid

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P049-Tg001	NA	Nucleocapsid	Nucleocapsid protein	GMP-IVD-P048-Tg001-Ag01: Recombinant Nucleocapsid Protein	Nucleocapsid protein (Nucleocapsid) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in Nucleocapsid level test of Infectious disease(Nucleocapsid protein) and related syndrome evaluation.	GMP-IVD-P048-Tg001-Ab01; GMP-IVD-P048-Tg001-Ab02: Anti-Nucleocapsid mouse monoclonal antibody (mAb)	Nucleocapsid protein (Nucleocapsid) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Nucleocapsid protein (Nucleocapsid) antibodies in Nucleocapsid level test of Infectious disease (Nucleocapsid protein) and related syndrome evaluation.	

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Diagnostic antibodies and antigens for Inflammation/autoimmune/inflammatory diseases testing-IL-6, PCT, CRP, SAA, IFN γ , AQP4, HBP, MOG, S100-A9, TPO, SAA1, TNF α

Inflammation/autoimmune/inflammatory diseases occur when the immune system attacks the normal tissue within joints, vasculature, and other organ systems, causing inflammation, pain, diminished mobility, fatigue, and other non-specific symptoms. The strong overlap of signs and symptoms among the autoimmune diseases can lead to delays in diagnosis and appropriate treatment. However, immunodiagnosics has been developed to detect the inflammation/autoimmune/inflammatory disease such as ankylosing spondylitis, bacterial infections, bacterial meningitis, cerebrovascular diseases, crohn's disease, fungal infection, graves' disease, inflammatory amyloidosis, inflammatory bowel disease, mog antibody disease, osteomyelitis, rheumatoid arthritis, sepsis, respiratory illnesses and so on at an early stage. Biomarkers have been developed to detect this autoimmune disease at an early stage. Detecting the quantity of marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.

Classification: IL-6 PCT CRP SAA IFN γ AQP4 HBP MOG S100-A9 TPO SAA1 TNFA MPA CCP

Interleukin 6 (IL-6)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-IL-6	Human	Interleukin 6 (IL-6)	systemic juvenile idiopathic arthritis, systemic lupus erythematosus, ankylosing spondylitis, psoriasis and Crohn's disease.	GMP-h-IL-6-Ag01: Recombinant human IL-6 Protein	Interleukin 6 (IL-6) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in IL-6 level test of Inflammation/autoimmune/inflammatory disease(systemic juvenile idiopathic arthritis, systemic lupus erythematosus, ankylosing spondylitis, psoriasis and Crohn's disease.) and related syndrome evaluation.	GMP-h-IL-6-Ab01; GMP-h-IL-6-Ab02: Anti-human IL-6 mouse monoclonal antibody(mAb)	Human Interleukin 6 (IL-6) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Interleukin 6 (IL-6) antibodies in IL-6 level test of Inflammation/autoimmune/inflammatory disease (systemic juvenile idiopathic arthritis, systemic lupus erythematosus, ankylosing spondylitis, psoriasis and Crohn's disease.) and related syndrome evaluation.	

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procalcitonin (PCT)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-PCT	Human	procalcitonin (PCT)	Sepsis; Respiratory illnesses; bacterial meningitis and etc.	GMP-h-PCT-Ag01: Recombinant human PCT Protein	procalcitonin (PCT) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in PCT level test of Inflammation/autoimmune/inflammatory disease(Sepsis; Respiratory illnesses; bacterial meningitis and etc.) and related syndrome evaluation.	GMP-h-PCT-Ab01; GMP-h-PCT-Ab02: Anti-human PCT mouse monoclonal antibody(mAb)	Human procalcitonin (PCT) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other procalcitonin (PCT) antibodies in PCT level test of Inflammation/autoimmune/inflammatory disease (Sepsis; Respiratory illnesses; bacterial meningitis and etc.) and related syndrome evaluation.	

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C-Reactive Protein (CRP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-CRP	Human	C-Reactive Protein (CRP)	Bacterial infections, sepsis, fungal infection, Inflammatory bowel disease, autoimmune, cancer and etc disorder, osteomyelitis	GMP-h-CRP-Ag01: Recombinant human CRP Protein	C-Reactive Protein (CRP) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in CRP level test of Inflammation/autoimmune/inflammatory disease(Bacterial infections, sepsis, fungal infection, Inflammatory bowel disease, autoimmune, cancer and etc disorder, osteomyelitis) and related syndrome evaluation.	GMP-h-CRP-Ab01; GMP-h-CRP-Ab02: Anti-human CRP mouse monoclonal antibody(mAb)	Human C-Reactive Protein (CRP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other C-Reactive Protein (CRP) antibodies in CRP level test of Inflammation/autoimmune/inflammatory disease (Bacterial infections, sepsis, fungal infection, Inflammatory bowel disease, autoimmune, cancer and etc disorder, osteomyelitis) and related syndrome evaluation.	


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Serum Amyloid A (SAA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-SAA	Human	Serum Amyloid A (SAA)	Rheumatoid arthritis, inflammatory bowel disease (Crohn's disease, ulcerative colitis), and chronic infections	GMP-h-SAA-Ag01: Recombinant human SAA Protein	Serum Amyloid A (SAA) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in SAA level test of Inflammation/autoimmune/inflammatory disease(Rheumatoid arthritis, inflammatory bowel disease (Crohn's disease, ulcerative colitis), and chronic infections) and related syndrome evaluation.	GMP-h-SAA-Ab01; GMP-h-SAA-Ab02: Anti-human SAA mouse monoclonal antibody(mAb)	Human Serum Amyloid A (SAA) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Serum Amyloid A (SAA) antibodies in SAA level test of Inflammation/autoimmune/inflammatory disease (Rheumatoid arthritis, inflammatory bowel disease (Crohn's disease, ulcerative colitis), and chronic infections) and related syndrome evaluation.	


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Interferon gamma (IFN γ)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-IFN γ	Human	Interferon gamma (IFN γ)	inflammation, autoimmune disease	GMP-h-IFN γ -Ag01: Recombinant human IFN γ Protein	Interferon gamma (IFN γ) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in IFN γ level test of Inflammation/autoimmune/inflammatory disease(inflammation, autoimmune disease) and related syndrome evaluation.	GMP-h-IFN γ -Ab01; GMP-h-IFN γ -Ab02: Anti-human IFN γ mouse monoclonal antibody(mAb)	Human Interferon gamma (IFN γ) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Interferon gamma (IFN γ) antibodies in IFN γ level test of Inflammation/autoimmune/inflammatory disease (inflammation, autoimmune disease) and related syndrome evaluation.	

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aquaporin-4 (AQP4)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-AQP4	Human	aquaporin-4 (AQP4)	Cerebrovascular diseases	GMP-h-AQP4-Ag01: Recombinant human AQP4 Protein	aquaporin-4 (AQP4) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in AQP4 level test of Inflammation/autoimmune/inflammatory disease(Cerebrovascular diseases) and related syndrome evaluation.	GMP-h-AQP4-Ab01; GMP-h-AQP4-Ab02: Anti-human AQP4 mouse monoclonal antibody(mAb)	Human aquaporin-4 (AQP4) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other aquaporin-4 (AQP4) antibodies in AQP4 level test of Inflammation/autoimmune/inflammatory disease (Cerebrovascular diseases) and related syndrome evaluation.	

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Heparin-binding protein (HBP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-HBP	Human	Heparin-binding protein (HBP)	inflammation/autoimmune/inflammatory disease	GMP-h-HBP-Ag01: Recombinant human HBP Protein	Heparin-binding protein (HBP) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in HBP level test of Inflammation/autoimmune/inflammatory disease(inflammation/autoimmune/inflammatory disease) and related syndrome evaluation.	GMP-h-HBP-Ab01; GMP-h-HBP-Ab02: Anti-human HBP mouse monoclonal antibody(mAb)	Human Heparin-binding protein (HBP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Heparin-binding protein (HBP) antibodies in HBP level test of Inflammation/autoimmune/inflammatory disease (inflammation/autoimmune/inflammatory disease) and related syndrome evaluation.	


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myelin oligodendrocyte glycoprotein (MOG)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-MOG	Human	myelin oligodendrocyte glycoprotein (MOG)	MOG antibody disease	GMP-h-MOG-Ag01: Recombinant human MOG Protein	myelin oligodendrocyte glycoprotein (MOG) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in MOG level test of Inflammation/autoimmune/inflammatory disease(MOG antibody disease) and related syndrome evaluation.	GMP-h-MOG-Ab01; GMP-h-MOG-Ab02: Anti-human MOG mouse monoclonal antibody(mAb)	Human myelin oligodendrocyte glycoprotein (MOG) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other myelin oligodendrocyte glycoprotein (MOG) antibodies in MOG level test of Inflammation/autoimmune/inflammatory disease (MOG antibody disease) and related syndrome evaluation.	


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Calprotectin heavy chain (S100-A9)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-S100-A9	Human	Calprotectin heavy chain (S100-A9)	inflammatory bowel disease	GMP-h-S100-A9-Ag01: Recombinant human S100-A9 Protein	Calprotectin heavy chain (S100-A9) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in S100-A9 level test of Inflammation/autoimmune/inflammatory disease(inflammatory bowel disease) and related syndrome evaluation.	GMP-h-S100-A9-Ab01; GMP-h-S100-A9-Ab02: Anti-human S100-A9 mouse monoclonal antibody(mAb)	Human Calprotectin heavy chain (S100-A9) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Calprotectin heavy chain (S100-A9) antibodies in S100-A9 level test of Inflammation/autoimmune/inflammatory disease (inflammatory bowel disease) and related syndrome evaluation.	

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Thyroid peroxidase (TPO)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-TPO	Human	Thyroid peroxidase (TPO)	Hashimoto's disease or Graves' disease	GMP-h-TPO-Ag01: Recombinant human TPO Protein	Thyroid peroxidase (TPO) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in TPO level test of Inflammation/autoimmune/inflammatory disease(Hashimoto's disease or Graves' disease) and related syndrome evaluation.	GMP-h-TPO-Ab01; GMP-h-TPO-Ab02: Anti-human TPO mouse monoclonal antibody(mAb)	Human Thyroid peroxidase (TPO) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Thyroid peroxidase (TPO) antibodies in TPO level test of Inflammation/autoimmune/inflammatory disease (Hashimoto's disease or Graves' disease) and related syndrome evaluation.	

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Serum Amyloid A1 (SAA1)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-SAA1	Human	Serum Amyloid A1 (SAA1)	Inflammatory amyloidosis	GMP-h-SAA1-Ag01: Recombinant human SAA1 Protein	Serum Amyloid A1 (SAA1) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in SAA1 level test of Inflammation/autoimmune/inflammatory disease(Inflammatory amyloidosis) and related syndrome evaluation.	GMP-h-SAA1-Ab01; GMP-h-SAA1-Ab02: Anti-human SAA1 mouse monoclonal antibody(mAb)	Human Serum Amyloid A1 (SAA1) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Serum Amyloid A1 (SAA1) antibodies in SAA1 level test of Inflammation/autoimmune/inflammatory disease (Inflammatory amyloidosis) and related syndrome evaluation.	


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tumor necrosis factor alpha (TNF α)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-TNF α	Human	tumor necrosis factor alpha (TNF α)	rheumatoid arthritis, ankylosing spondylitis, and Crohn's disease	GMP-h-TNF α -Ag01: Recombinant human TNF α Protein	tumor necrosis factor alpha (TNF α) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in TNF α level test of Inflammation/autoimmune/inflammatory disease(rheumatoid arthritis, ankylosing spondylitis, and Crohn's disease) and related syndrome evaluation.	GMP-h-TNF α -Ab01; GMP-h-TNF α -Ab02: Anti-human TNF α mouse monoclonal antibody(mAb)	Human tumor necrosis factor alpha (TNF α) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other tumor necrosis factor alpha (TNF α) antibodies in TNF α level test of Inflammation/autoimmune/inflammatory disease (rheumatoid arthritis, ankylosing spondylitis, and Crohn's disease) and related syndrome evaluation.	


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mycophenolic acid (MPA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-MPA	Human	mycophenolic acid (MPA)	autoimmune disease	GMP-SMT-MPA-Ag01: BSA-mycophenolic acid (MPA); GMP-SMT-MPA-Ag02: OVA-mycophenolic acid (MPA)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-mycophenolic acid (MPA)], mycophenolic acid (MPA) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in MPA level test of Inflammation/autoimmune/inflammatory disease (autoimmune disease) and related syndrome evaluation.	GMP-SMT-MPA-Ab01: Anti-mycophenolic acid (MPA) mouse monoclonal antibody(mAb)	Human mycophenolic acid (MPA) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in MPA level test of Inflammation/autoimmune/inflammatory disease (autoimmune disease) and related syndrome evaluation.	

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cyclic citrullinated peptide (CCP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-CCP	Human	cyclic citrullinated peptide (CCP)	rheumatoid arthritis	GMP-SMT-CCP-Ag01: BSA-cyclic citrullinated peptide (CCP); GMP-SMT-CCP-Ag02: OVA-cyclic citrullinated peptide (CCP)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-cyclic citrullinated peptide (CCP)], cyclic citrullinated peptide (CCP) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in CCP level test of Inflammation/autoimmune/inflammatory disease (rheumatoid arthritis) and related syndrome evaluation.	GMP-SMT-CCP-Ab01: Anti-cyclic citrullinated peptide (CCP) mouse monoclonal antibody(mAb)	Human cyclic citrullinated peptide (CCP) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in CCP level test of Inflammation/autoimmune/inflammatory disease (rheumatoid arthritis) and related syndrome evaluation.	


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Diagnostic antibodies and antigens for cardiovascular diseases biomarkers testing

Cardiovascular diseases are a group of disorders that occur in the heart and blood vessels and are the world's leading cause of death. In vitro diagnostic (IVD) assays for detecting cardiac markers are essential tools to help treat or prevent CVD. Several protein markers are released into the blood when the heart is damaged or stressed. These protein markers support diagnosis of conditions including coronary heart disease, cerebrovascular disease, and deep vein thrombosis to guide therapeutic intervention. Several cardiovascular diseases such as hypertension, coronary artery stenosis, intrinsic cardiac dysfunction, acute ischemic myocardial injury, acute myocardial infarction, angiogenesis, artery lesions, atherosclerosis, blood pressure, congestive heart failure, Deep vein thrombosis (DVT), heart failure, hypertrophic cardiomyopathy, myocardial infarction, renal artery stenosis, restrictive and dilated cardiomyopathy, vascular inflammation and so on have been identified using specific marker. Detecting the quantity of marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.


Classification: MPO MMP3 GDF-15 CK-MB MYO SST2 CKMB NT-PROBNP CTNT CTNI H-FABP D-DIMER DIG APOA APOE BNP PROBNP TIMP-1
 CNP ANP AI VEGF PLGF-1 SAH HCY RAA/ALDO DIGOXIN HFABP

Myeloperoxidase (MPO)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-MPO	Human	Myeloperoxidase (MPO)	vascular inflammation	GMP-h-MPO-Ag01: Recombinant human MPO Protein	Myeloperoxidase (MPO) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in MPO level test of Cardiovascular disease(vascular inflammation) and related syndrome evaluation.	GMP-h-MPO-Ab01; GMP-h-MPO-Ab02: Anti-human MPO mouse monoclonal antibody(mAb)	Human Myeloperoxidase (MPO) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Myeloperoxidase (MPO) antibodies in MPO level test of Cardiovascular disease (vascular inflammation) and related syndrome evaluation.	


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matrix metalloproteinase-3 (MMP3)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-MMP3	Human	matrix metalloproteinase-3 (MMP3)	cancer, asthma and rheumatoid arthritis	GMP-h-MMP3-Ag01: Recombinant human MMP3 Protein	matrix metalloproteinase-3 (MMP3) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in MMP3 level test of Cardiovascular disease(cancer, asthma and rheumatoid arthritis) and related syndrome evaluation.	GMP-h-MMP3-Ab01; GMP-h-MMP3-Ab02: Anti-human MMP3 mouse monoclonal antibody(mAb)	Human matrix metalloproteinase-3 (MMP3) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other matrix metalloproteinase-3 (MMP3) antibodies in MMP3 level test of Cardiovascular disease (cancer, asthma and rheumatoid arthritis) and related syndrome evaluation.	


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Growth differentiation factor-15 (GDF-15)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-GDF-15	Human	Growth differentiation factor-15 (GDF-15)	pressure overload, myocardial infarction, heart failure, and atherosclerosis	GMP-h-GDF-15-Ag01: Recombinant human GDF-15 Protein	Growth differentiation factor-15 (GDF-15) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in GDF-15 level test of Cardiovascular disease(pressure overload, myocardial infarction, heart failure, and atherosclerosis) and related syndrome evaluation.	GMP-h-GDF-15-Ab01; GMP-h-GDF-15-Ab02: Anti-human GDF-15 mouse monoclonal antibody(mAb)	Human Growth differentiation factor-15 (GDF-15) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Growth differentiation factor-15 (GDF-15) antibodies in GDF-15 level test of Cardiovascular disease (pressure overload, myocardial infarction, heart failure, and atherosclerosis) and related syndrome evaluation.	


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Creatine Kinase MB (CK-MB)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-CK-MB	Human	Creatine Kinase MB (CK-MB)	Myocardial hypoxia	GMP-h-CK-MB-Ag01: Recombinant human CK-MB Protein	Creatine Kinase MB (CK-MB) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in CK-MB level test of Cardiovascular disease(Myocardial hypoxia) and related syndrome evaluation.	GMP-h-CK-MB-Ab01; GMP-h-CK-MB-Ab02: Anti-human CK-MB mouse monoclonal antibody(mAb)	Human Creatine Kinase MB (CK-MB) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Creatine Kinase MB (CK-MB) antibodies in CK-MB level test of Cardiovascular disease (Myocardial hypoxia) and related syndrome evaluation.	


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Myoglobin (Myo)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-Myo	Human	Myoglobin (Myo)	acute ischemic myocardial injury	GMP-h-Myo-Ag01: Recombinant human Myo Protein	Myoglobin (Myo) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in Myo level test of Cardiovascular disease(acute ischemic myocardial injury) and related syndrome evaluation.	GMP-h-Myo-Ab01; GMP-h-Myo-Ab02: Anti-human Myo mouse monoclonal antibody(mAb)	Human Myoglobin (Myo) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Myoglobin (Myo) antibodies in Myo level test of Cardiovascular disease (acute ischemic myocardial injury) and related syndrome evaluation.	


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soluble ST2 (sST2)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-sST2	Human	soluble ST2 (sST2)	chronic and acute heart failure	GMP-h-sST2-Ag01: Recombinant human sST2 Protein	soluble ST2 (sST2) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in sST2 level test of Cardiovascular disease(chronic and acute heart failure) and related syndrome evaluation.	GMP-h-sST2-Ab01; GMP-h-sST2-Ab02: Anti-human sST2 mouse monoclonal antibody(mAb)	Human soluble ST2 (sST2) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other soluble ST2 (sST2) antibodies in sST2 level test of Cardiovascular disease (chronic and acute heart failure) and related syndrome evaluation.	


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creatine kinase myocardial band (CKMB)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-CKMB	Human	creatine kinase myocardial band (CKMB)	acute myocardial infarction	GMP-h-CKMB-Ag01: Recombinant human CKMB Protein	creatine kinase myocardial band (CKMB) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in CKMB level test of Cardiovascular disease(acute myocardial infarction) and related syndrome evaluation.	GMP-h-CKMB-Ab01; GMP-h-CKMB-Ab02: Anti-human CKMB mouse monoclonal antibody(mAb)	Human creatine kinase myocardial band (CKMB) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other creatine kinase myocardial band (CKMB) antibodies in CKMB level test of Cardiovascular disease (acute myocardial infarction) and related syndrome evaluation.	

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N-terminal prohormone of brain natriuretic peptide (NT-proBNP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-NT-proBNP	Human	N-terminal prohormone of brain natriuretic peptide (NT-proBNP)	congestive heart failure	GMP-h-NT-proBNP-Ag01: Recombinant human NT-proBNP Protein	N-terminal prohormone of brain natriuretic peptide (NT-proBNP) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in NT-proBNP level test of Cardiovascular disease(congestive heart failure) and related syndrome evaluation.	GMP-h-NT-proBNP-Ab01; GMP-h-NT-proBNP-Ab02: Anti-human NT-proBNP mouse monoclonal antibody(mAb)	Human N-terminal prohormone of brain natriuretic peptide (NT-proBNP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other N-terminal prohormone of brain natriuretic peptide (NT-proBNP) antibodies in NT-proBNP level test of Cardiovascular disease (congestive heart failure) and related syndrome evaluation.	

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cardiac troponin T (cTnT)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-cTnT	Human	cardiac troponin T (cTnT)	hypertrophic cardiomyopathy, restrictive and dilated cardiomyopathy.	GMP-h-cTnT-Ag01: Recombinant human cTnT Protein	cardiac troponin T (cTnT) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in cTnT level test of Cardiovascular disease(hypertrophic cardiomyopathy, restrictive and dilated cardiomyopathy.) and related syndrome evaluation.	GMP-h-cTnT-Ab01; GMP-h-cTnT-Ab02: Anti-human cTnT mouse monoclonal antibody(mAb)	Human cardiac troponin T (cTnT) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other cardiac troponin T (cTnT) antibodies in cTnT level test of Cardiovascular disease (hypertrophic cardiomyopathy, restrictive and dilated cardiomyopathy.) and related syndrome evaluation.	


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Cardiac troponin I (cTnI)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-cTnI	Human	Cardiac troponin I (cTnI)	myocardial infarction	GMP-h-cTnI-Ag01: Recombinant human cTnI Protein	Cardiac troponin I (cTnI) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in cTnI level test of Cardiovascular disease(myocardial infarction) and related syndrome evaluation.	GMP-h-cTnI-Ab01; GMP-h-cTnI-Ab02: Anti-human cTnI mouse monoclonal antibody(mAb)	Human Cardiac troponin I (cTnI) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Cardiac troponin I (cTnI) antibodies in cTnI level test of Cardiovascular disease (myocardial infarction) and related syndrome evaluation.	


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Heart-type Fatty Acid-Binding Protein (H-FABP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-H-FABP	Human	Heart-type Fatty Acid-Binding Protein (H-FABP)	myocardial injury	GMP-h-H-FABP-Ag01: Recombinant human H-FABP Protein	Heart-type Fatty Acid-Binding Protein (H-FABP) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in H-FABP level test of Cardiovascular disease(myocardial injury) and related syndrome evaluation.	GMP-h-H-FABP-Ab01; GMP-h-H-FABP-Ab02: Anti-human H-FABP mouse monoclonal antibody(mAb)	Human Heart-type Fatty Acid-Binding Protein (H-FABP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Heart-type Fatty Acid-Binding Protein (H-FABP) antibodies in H-FABP level test of Cardiovascular disease (myocardial injury) and related syndrome evaluation.	


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D dimer (D-Dimer)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-D-Dimer	Human	D dimer (D-Dimer)	Deep vein thrombosis (DVT)	GMP-h-D-Dimer-Ag01: Recombinant human D-Dimer Protein	D dimer (D-Dimer) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in D-Dimer level test of Cardiovascular disease(Deep vein thrombosis (DVT)) and related syndrome evaluation.	GMP-h-D-Dimer-Ab01; GMP-h-D-Dimer-Ab02: Anti-human D-Dimer mouse monoclonal antibody(mAb)	Human D dimer (D-Dimer) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other D dimer (D-Dimer) antibodies in D-Dimer level test of Cardiovascular disease (Deep vein thrombosis (DVT)) and related syndrome evaluation.	


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Digoxigenin (Dig)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-Dig	Human	Digoxigenin (Dig)	NA	GMP-h-Dig-Ag01: Recombinant human Dig Protein	Digoxigenin (Dig) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in Dig level test of Cardiovascular disease() and related syndrome evaluation.	GMP-h-Dig-Ab01; GMP-h-Dig-Ab02: Anti-human Dig mouse monoclonal antibody(mAb)	Human Digoxigenin (Dig) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Digoxigenin (Dig) antibodies in Dig level test of Cardiovascular disease () and related syndrome evaluation.	


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Apolipoprotein A (ApoA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-ApoA	Human	Apolipoprotein A (ApoA)	Cardiovascular Disease	GMP-h-ApoA-Ag01: Recombinant human ApoA Protein	Apolipoprotein A (ApoA) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in ApoA level test of Cardiovascular disease(Cardiovascular Disease) and related syndrome evaluation.	GMP-h-ApoA-Ab01; GMP-h-ApoA-Ab02: Anti-human ApoA mouse monoclonal antibody(mAb)	Human Apolipoprotein A (ApoA) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Apolipoprotein A (ApoA) antibodies in ApoA level test of Cardiovascular disease (Cardiovascular Disease) and related syndrome evaluation.	


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Apolipoprotein E (ApoE)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-ApoE	Human	Apolipoprotein E (ApoE)	Cardiovascular Disease	GMP-h-ApoE-Ag01: Recombinant human ApoE Protein	Apolipoprotein E (ApoE) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in ApoE level test of Cardiovascular disease(Cardiovascular Disease) and related syndrome evaluation.	GMP-h-ApoE-Ab01; GMP-h-ApoE-Ab02: Anti-human ApoE mouse monoclonal antibody(mAb)	Human Apolipoprotein E (ApoE) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Apolipoprotein E (ApoE) antibodies in ApoE level test of Cardiovascular disease (Cardiovascular Disease) and related syndrome evaluation.	


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B-type natriuretic peptide (BNP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-BNP	Human	B-type natriuretic peptide (BNP)	Cardiovascular Disease	GMP-h-BNP-Ag01: Recombinant human BNP Protein	B-type natriuretic peptide (BNP) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in BNP level test of Cardiovascular disease(Cardiovascular Disease) and related syndrome evaluation.	GMP-h-BNP-Ab01; GMP-h-BNP-Ab02: Anti-human BNP mouse monoclonal antibody(mAb)	Human B-type natriuretic peptide (BNP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other B-type natriuretic peptide (BNP) antibodies in BNP level test of Cardiovascular disease (Cardiovascular Disease) and related syndrome evaluation.	

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pro B-type natriuretic peptide (proBNP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-proBNP	Human	pro B-type natriuretic peptide (proBNP)	intrinsic cardiac dysfunction	GMP-h-proBNP-Ag01: Recombinant human proBNP Protein	pro B-type natriuretic peptide (proBNP) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in proBNP level test of Cardiovascular disease(intrinsic cardiac dysfunction) and related syndrome evaluation.	GMP-h-proBNP-Ab01; GMP-h-proBNP-Ab02: Anti-human proBNP mouse monoclonal antibody(mAb)	Human pro B-type natriuretic peptide (proBNP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other pro B-type natriuretic peptide (proBNP) antibodies in proBNP level test of Cardiovascular disease (intrinsic cardiac dysfunction) and related syndrome evaluation.	

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Matrix Metalloproteinase Inhibitor-1 (TIMP-1)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-TIMP-1	Human	Matrix Metalloproteinase Inhibitor-1 (TIMP-1)	coronary artery stenosis, coronary artery lesions	GMP-h-TIMP-1-Ag01: Recombinant human TIMP-1 Protein	Matrix Metalloproteinase Inhibitor-1 (TIMP-1) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in TIMP-1 level test of Cardiovascular disease(coronary artery stenosis, coronary artery lesions) and related syndrome evaluation.	GMP-h-TIMP-1-Ab01; GMP-h-TIMP-1-Ab02: Anti-human TIMP-1 mouse monoclonal antibody(mAb)	Human Matrix Metalloproteinase Inhibitor-1 (TIMP-1) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Matrix Metalloproteinase Inhibitor-1 (TIMP-1) antibodies in TIMP-1 level test of Cardiovascular disease (coronary artery stenosis, coronary artery lesions) and related syndrome evaluation.	


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C-type natriuretic peptide (CNP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-CNP	Human	C-type natriuretic peptide (CNP)	cardiovascular disease	GMP-h-CNP-Ag01: Recombinant human CNP Protein	C-type natriuretic peptide (CNP) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in CNP level test of Cardiovascular disease(cardiovascular disease) and related syndrome evaluation.	GMP-h-CNP-Ab01; GMP-h-CNP-Ab02: Anti-human CNP mouse monoclonal antibody(mAb)	Human C-type natriuretic peptide (CNP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other C-type natriuretic peptide (CNP) antibodies in CNP level test of Cardiovascular disease (cardiovascular disease) and related syndrome evaluation.	


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human atrial natriuretic peptide (ANP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-ANP	Human	human atrial natriuretic peptide (ANP)	hypertension, cardiac hypertrophy and heart failure	GMP-h-ANP-Ag01: Recombinant human ANP Protein	human atrial natriuretic peptide (ANP) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in ANP level test of Cardiovascular disease(hypertension, cardiac hypertrophy and heart failure) and related syndrome evaluation.	GMP-h-ANP-Ab01; GMP-h-ANP-Ab02: Anti-human ANP mouse monoclonal antibody(mAb)	Human human atrial natriuretic peptide (ANP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other human atrial natriuretic peptide (ANP) antibodies in ANP level test of Cardiovascular disease (hypertension, cardiac hypertrophy and heart failure) and related syndrome evaluation.	

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Angiotensin (AI)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-AI	Human	Angiotensin (AI)	hypertension, renal disease, and congestive heart failure	GMP-h-AI-Ag01: Recombinant human AI Protein	Angiotensin (AI) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in AI level test of Cardiovascular disease(hypertension, renal disease, and congestive heart failure) and related syndrome evaluation.	GMP-h-AI-Ab01; GMP-h-AI-Ab02: Anti-human AI mouse monoclonal antibody(mAb)	Human Angiotensin (AI) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Angiotensin (AI) antibodies in AI level test of Cardiovascular disease (hypertension, renal disease, and congestive heart failure) and related syndrome evaluation.	

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Vascular Endothelial Growth Factor (VEGF)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-VEGF	Human	Vascular Endothelial Growth Factor (VEGF)	angiogenesis	GMP-h-VEGF-Ag01: Recombinant human VEGF Protein	Vascular Endothelial Growth Factor (VEGF) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in VEGF level test of Cardiovascular disease(angiogenesis) and related syndrome evaluation.	GMP-h-VEGF-Ab01; GMP-h-VEGF-Ab02: Anti-human VEGF mouse monoclonal antibody(mAb)	Human Vascular Endothelial Growth Factor (VEGF) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Vascular Endothelial Growth Factor (VEGF) antibodies in VEGF level test of Cardiovascular disease (angiogenesis) and related syndrome evaluation.	

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recombinant human placental growth factor-1 (PLGF-1)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-PLGF-1	Human	recombinant human placental growth factor-1 (PLGF-1)	angiogenesis	GMP-h-PLGF-1-Ag01: Recombinant human PLGF-1 Protein	recombinant human placental growth factor-1 (PLGF-1) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in PLGF-1 level test of Cardiovascular disease(angiogenesis) and related syndrome evaluation.	GMP-h-PLGF-1-Ab01; GMP-h-PLGF-1-Ab02: Anti-human PLGF-1 mouse monoclonal antibody(mAb)	Human recombinant human placental growth factor-1 (PLGF-1) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other recombinant human placental growth factor-1 (PLGF-1) antibodies in PLGF-1 level test of Cardiovascular disease (angiogenesis) and related syndrome evaluation.	

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S-Adenosylhomocysteine (SAH)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-SAH	Human	S-Adenosylhomocysteine (SAH)	cardiovascular disease, cancers, liver disease, and many other diseases	GMP-SMT-SAH-Ag01: BSA-S-Adenosylhomocysteine (SAH); GMP-SMT-SAH-Ag02: OVA-S-Adenosylhomocysteine (SAH)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-S-Adenosylhomocysteine (SAH)], S-Adenosylhomocysteine (SAH) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in SAH level test of Cardiovascular disease (cardiovascular disease, cancers, liver disease, and many other diseases) and related syndrome evaluation.	GMP-SMT-SAH-Ab01: Anti-S-Adenosylhomocysteine (SAH) mouse monoclonal antibody(mAb)	Human S-Adenosylhomocysteine (SAH) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in SAH level test of Cardiovascular disease (cardiovascular disease, cancers, liver disease, and many other diseases) and related syndrome evaluation.	

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Homocysteine (HCY)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-HCY	Human	Homocysteine (HCY)	dementia, heart disease and stroke.	GMP-SMT-HCY-Ag01: BSA-Homocysteine (HCY); GMP-SMT-HCY-Ag02: OVA-Homocysteine (HCY)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Homocysteine (HCY)], Homocysteine (HCY) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in HCY level test of Cardiovascular disease (dementia, heart disease and stroke.) and related syndrome evaluation.	GMP-SMT-HCY-Ab01: Anti-Homocysteine (HCY) mouse monoclonal antibody(mAb)	Human Homocysteine (HCY) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in HCY level test of Cardiovascular disease (dementia, heart disease and stroke.) and related syndrome evaluation.	

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aldosterone (RAA/Aldo)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-RAA/Aldo	Human	aldosterone (RAA/Aldo)	Hypertension, blood pressure, hyperaldosteronism, renal artery stenosis (narrowing of the renal artery), congestive heart failure, cirrhosis, some kidney diseases (e.g., nephrotic syndrome).	GMP-SMT-RAA/Aldo-Ag01: BSA-aldosterone (RAA/Aldo); GMP-SMT-RAA/Aldo-Ag02: OVA-aldosterone (RAA/Aldo)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-aldosterone (RAA/Aldo)], aldosterone (RAA/Aldo) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in RAA/Aldo level test of Cardiovascular disease (Hypertension, blood pressure, hyperaldosteronism, renal artery stenosis (narrowing of the renal artery), congestive heart failure, cirrhosis, some kidney diseases (e.g., nephrotic syndrome).) and related syndrome evaluation.	GMP-SMT-RAA/Aldo-Ab01: Anti-aldosterone (RAA/Aldo) mouse monoclonal antibody(mAb)	Human aldosterone (RAA/Aldo) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in RAA/Aldo level test of Cardiovascular disease (Hypertension, blood pressure, hyperaldosteronism, renal artery stenosis (narrowing of the renal artery), congestive heart failure, cirrhosis, some kidney diseases (e.g., nephrotic syndrome).) and related syndrome evaluation.	


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digoxigenin (Digoxin)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-Digoxin	Human	digoxigenin (Digoxin)	NA	GMP-SMT-Digoxin-Ag01: BSA-digoxigenin (Digoxin); GMP-SMT-Digoxin-Ag02: OVA-digoxigenin (Digoxin)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-digoxigenin (Digoxin)], digoxigenin (Digoxin) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Digoxin level test of Cardiovascular disease and related syndrome evaluation.	GMP-SMT-Digoxin-Ab01: Anti-digoxigenin (Digoxin) mouse monoclonal antibody(mAb)	Human digoxigenin (Digoxin) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Digoxin level test of Cardiovascular disease and related syndrome evaluation.	

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Human Fatty Acid Binding Protein (HFABP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-HFABP	Human	Human Fatty Acid Binding Protein (HFABP)	metabolic syndrome, atherosclerosis, insulin resistance and low-grade inflammation	GMP-SMT-HFABP-Ag01: BSA-Human Fatty Acid Binding Protein (HFABP); GMP-SMT-HFABP-Ag02: OVA-Human Fatty Acid Binding Protein (HFABP)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Human Fatty Acid Binding Protein (HFABP)], Human Fatty Acid Binding Protein (HFABP) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in HFABP level test of Cardiovascular disease (metabolic syndrome, atherosclerosis, insulin resistance and low-grade inflammation) and related syndrome evaluation.	GMP-SMT-HFABP-Ab01: Anti-Human Fatty Acid Binding Protein (HFABP) mouse monoclonal antibody(mAb)	Human Human Fatty Acid Binding Protein (HFABP) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in HFABP level test of Cardiovascular disease (metabolic syndrome, atherosclerosis, insulin resistance and low-grade inflammation) and related syndrome evaluation.	


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Diagnostic antibodies and antigens for Liver Diseases testing: Hyaluronic acid (HA), laminins (LN), collagen type IV (cIV), Procollagen III N-terminal peptide (PIIINP), Lithocholic Acid (LCA), deoxycholic acid (cholanoic acid), hyaluronic acid (HA), Cholyglycine (CG), Prealbumin (PA)

Liver is an important organ and it is responsible for the metabolism, energy storage, and waste filtering. Liver disease is a generally designates to any condition that affects the liver. These conditions may be because of different reasons, but all these reasons damage the liver and affect its function. Many people with liver disease do not cause any symptoms in the early stages. At a certain point in the development of liver disease damage can become irreversible and lead to liver failure, liver cancer, or death. Early diagnosis of liver disease may prevent liver damage. GENEMEDI produces core diagnostic ingredients such as collagen type IV, Procollagen III N-terminal peptide, Lithocholic Acid, deoxycholic acid, hyaluronic acid, Cholyglycine, Prealbumin and so on for test of Liver Diseases and related syndrome using ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT Kit.


Classification: HABP LN CIV PIIINP LCA CHOLANOIC ACID HA CG PA

Hyaluronic acid binding protein (HABP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-HABP	Human	Hyaluronic acid binding protein (HABP)	rheumatoid arthritis (RA) and osteoarthritis	GMP-h-HABP-Ag01: Hyaluronic acid binding protein (HABP)	Hyaluronic acid (HA) Antibody Binding, Immunogen in Sandwich ELISA test, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.	GMP-h-HABP-Ab01; GMP-h-HABP-Ab02: Anti-Hyaluronic acid binding protein (HABP) mouse monoclonal antibody(mAb)	Human Hyaluronic acid (HA) protein binding, ELISA validated as capture antibody and detection antibody. Pair in HA level test and Liver Diseases/Fibrosis evaluation.	


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Laminins (LN)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-LN	Human	Laminins (LN)	muscular dystrophy, lethal skin blistering disease (junctional epidermolysis bullosa) and nephrotic syndrome	GMP-h-LN-Ag01: Recombinant human LN Protein	Laminins (LN) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in LN level test of Liver diseases (muscular dystrophy, lethal skin blistering disease (junctional epidermolysis bullosa) and nephrotic syndrome) and related syndrome evaluation.	GMP-h-LN-Ab01; GMP-h-LN-Ab02: Anti-human LN mouse monoclonal antibody(mAb)	Human laminins (LN) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other laminins (LN) antibodies in LN level test of Liver diseases (muscular dystrophy, lethal skin blistering disease (junctional epidermolysis bullosa) and nephrotic syndrome) and related syndrome evaluation.	


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collagen type IV (cIV)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-cIV	Human	collagen type IV (cIV)	Goodpasture syndrome, Alport syndrome, glomerular basement membrane, Liver fibrosis and cirrhosis, alcoholic liver disease, hepatitis C and fall following successful therapy. autosomal dominant hereditary angiopathy, nephropathy, aneurysms, and muscle cramps. porencephaly, schizencephaly, congenital cataract, coronary artery disease, diabetic nephropathy and renal injury.	GMP-h-cIV-Ag01: Recombinant human cIV Protein	collagen type IV (cIV) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in cIV level test of Liver diseases (Goodpasture syndrome, Alport syndrome, glomerular basement membrane, Liver fibrosis and cirrhosis, alcoholic liver disease, hepatitis C and fall following successful therapy. autosomal dominant hereditary angiopathy, nephropathy, aneurysms, and muscle cramps. porencephaly, schizencephaly, congenital cataract, coronary artery disease, diabetic nephropathy and renal injury.) and related syndrome evaluation.	GMP-h-cIV-Ab01; GMP-h-cIV-Ab02: Anti-human cIV mouse monoclonal antibody(mAb)	Human collagen type IV (cIV) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other collagen type IV (cIV) antibodies in cIV level test of Liver diseases (Goodpasture syndrome, Alport syndrome, glomerular basement membrane, Liver fibrosis and cirrhosis, alcoholic liver disease, hepatitis C and fall following successful therapy. autosomal dominant hereditary angiopathy, nephropathy, aneurysms, and muscle cramps. porencephaly, schizencephaly, congenital cataract, coronary artery disease, diabetic nephropathy and renal injury.) and related syndrome evaluation.	


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Procollagen III N-terminal peptide (PIIINP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-PIIINP	Human	Procollagen III N-terminal peptide (PIIINP)	liver fibrosis and cirrhosis	GMP-h-PIIINP-Ag01: Recombinant human PIIINP Protein	Procollagen III N-terminal peptide (PIIINP) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in PIIINP level test of Liver diseases (liver fibrosis and cirrhosis) and related syndrome evaluation.	GMP-h-PIIINP-Ab01; GMP-h-PIIINP-Ab02: Anti-human PIIINP mouse monoclonal antibody(mAb)	Human Procollagen III N-terminal peptide (PIIINP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Procollagen III N-terminal peptide (PIIINP) antibodies in PIIINP level test of Liver diseases (liver fibrosis and cirrhosis) and related syndrome evaluation.	


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Lithocholic Acid (LCA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-LCA	Human	Lithocholic Acid (LCA)	liver damage	GMP-SMT-LCA-Ag01: BSA-Lithocholic Acid (LCA); GMP-SMT-LCA-Ag02: OVA-Lithocholic Acid (LCA)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Lithocholic Acid (LCA)], Lithocholic Acid (LCA) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in LCA level test of Liver diseases (liver damage) and related syndrome evaluation.	GMP-SMT-LCA-Ab01: Anti-Lithocholic Acid (LCA) mouse monoclonal antibody(mAb)	Human Lithocholic Acid (LCA) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in LCA level test of Liver diseases (liver damage) and related syndrome evaluation.	


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deoxycholic acid (cholanoic acid)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-cholanoic-acid	Human	deoxycholic acid (cholanoic acid)	liver cirrhosis, chronic kidney disease, vascular calcification, vasculature toxicity	GMP-SMT-cholanoic-acid-Ag01: BSA-deoxycholic acid (cholanoic acid); GMP-SMT-cholanoic-acid-Ag02: OVA-deoxycholic acid (cholanoic acid)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-deoxycholic acid (cholanoic acid)], deoxycholic acid (cholanoic acid) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in cholanoic acid level test of Liver diseases (liver cirrhosis, chronic kidney disease, vascular calcification, vasculature toxicity) and related syndrome evaluation.	GMP-SMT-cholanoic-acid-Ab01: Anti-deoxycholic acid (cholanoic acid) mouse monoclonal antibody(mAb)	Human deoxycholic acid (cholanoic acid) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in cholanoic acid level test of Liver diseases (liver cirrhosis, chronic kidney disease, vascular calcification, vasculature toxicity) and related syndrome evaluation.	


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hyaluronic acid (HA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-HA	Human	hyaluronic acid (HA)		GMP-SMT-HA-Ag01: BSA-hyaluronic acid (HA); GMP-SMT-HA-Ag02: OVA-hyaluronic acid (HA)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-hyaluronic acid (HA)], hyaluronic acid (HA) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in HA level test of Liver diseases and related syndrome evaluation.	GMP-SMT-HA-Ab01: Anti-hyaluronic acid (HA) mouse monoclonal antibody(mAb)	Human hyaluronic acid (HA) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in HA level test of Liver diseases and related syndrome evaluation.	


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Cholyglycine (CG)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-CG	Human	Cholyglycine (CG)	liver cirrhosis or obstructive liver disease	GMP-SMT-CG-Ag01: BSA-Cholyglycine (CG) GMP-SMT-CG-Ag02: OVA-Cholyglycine (CG)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Cholyglycine (CG)], Cholyglycine (CG) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in CG level test of Liver diseases (liver cirrhosis or obstructive liver disease) and related syndrome evaluation.	GMP-SMT-CG-Ab01: Anti-Cholyglycine (CG) mouse monoclonal antibody(mAb)	Human Cholyglycine (CG) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in CG level test of Liver diseases (liver cirrhosis or obstructive liver disease) and related syndrome evaluation.	

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Prealbumin (PA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-PA	Human	Prealbumin (PA)	liver disease, inflammation, or tissue death	GMP-h-PA-Ag01: Recombinant human PA Protein	Prealbumin (PA) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in PA level test of Liver diseases (liver disease, inflammation, or tissue death) and related syndrome evaluation.	GMP-h-PA-Ab01; GMP-h-PA-Ab02: Anti-human PA mouse monoclonal antibody(mAb)	Human Prealbumin (PA) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Prealbumin (PA) antibodies in PA level test of Liver diseases (liver disease, inflammation, or tissue death) and related syndrome evaluation.	


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Diagnostic antibodies and antigens for lung diseases testing: ACE2/hFc, ACE2/his

Lung disease such as asthma, COPD, infections like influenza, pneumonia and tuberculosis and lung cancer can affect respiratory function, or the ability to breathe, and pulmonary function. Some of the lung diseases are caused by bacterial, viral, or fungal infections and some other lung diseases are associated with environmental factors, including asthma, mesothelioma, and lung cancer. The early diagnosis of the lung disease is an important step to prevent the respiratory failure. Biomarker such as human angiotensin converting enzyme 2 and so on are suitable for monitoring lung disease at early stages. Detecting the quantity of these marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.


Classification: ACE2/HFC ACE2/HIS

Human Angiotensin Converting Enzyme 2 (ACE2/hFc)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-ACE2/hFc	Human	Human Angiotensin Converting Enzyme 2 (ACE2/hFc)	acute respiratory distress syndrome	GMP-h-ACE2/hFc-Ag01: Recombinant human ACE2/hFc Protein	Human Angiotensin Converting Enzyme 2 (ACE2/hFc) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in ACE2/hFc level test of Lung injury (acute respiratory distress syndrome) and related syndrome evaluation.	GMP-h-ACE2/hFc-Ab01; GMP-h-ACE2/hFc-Ab02: Anti-human ACE2/hFc mouse monoclonal antibody(mAb)	Human Human Angiotensin Converting Enzyme 2 (ACE2/hFc) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Human Angiotensin Converting Enzyme 2 (ACE2/hFc) antibodies in ACE2/hFc level test of Lung injury (acute respiratory distress syndrome) and related syndrome evaluation.	

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Human Angiotensin Converting Enzyme 2 (His)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-ACE2/his	Human	Human Angiotensin Converting Enzyme 2 (His)	acute respiratory distress syndrome	GMP-h-ACE2/his-Ag01: Recombinant human ACE2/his Protein	Human Angiotensin Converting Enzyme 2 (His) (ACE2/his) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in ACE2/his level test of Lung injury (acute respiratory distress syndrome) and related syndrome evaluation.	GMP-h-ACE2/his-Ab01; GMP-h-ACE2/his-Ab02: Anti-human ACE2/his mouse monoclonal antibody(mAb)	Human Human Angiotensin Converting Enzyme 2 (His) (ACE2/his) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Human Angiotensin Converting Enzyme 2 (His) (ACE2/his) antibodies in ACE2/his level test of Lung injury (acute respiratory distress syndrome) and related syndrome evaluation.	

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Diagnostic antibodies and antigens for kidney function (renal damages) testing: Beta-2 microglobulin (B2M), Cystatin C (CYSC), Neutrophil gelatinase-associated lipocalin (NGAL), Alpha-1-microglobulin (A1M)

The kidneys are important to filter wastes and excess fluids from the blood and excreted in urine. Chronic kidney disease steadily loss the kidney function and fail to filter the waste in the body. The chronic kidney disease (CKD) includes advanced stage of renal parenchyma damage and the loss of functional nephrons. The loss of functional nephrons induces several molecular and cellular events, which leads to the development of renal lesions. The chronic kidney disease disperses the podocytes from basal membrane and excrete in the urine, therefore the diagnosis usually made with the serum proteins (creatinine) and blood urea (sCr). The early diagnosis of this disease is an important step to prevent the CKD. Biomarker such as Cystatin C (CYSC) Neutrophil gelatinase-associated lipocalin (NGAL), Beta-2 microglobulin (B2M), Alpha-1-microglobulin (A1M) and so on are suitable for

monitoring CKD at early stages. Detecting the quantity of these marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.


Classification: B2M CYSC NGAL A1M

Beta-2 microglobulin (B2M)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-B2M	Human	Beta-2 microglobulin (B2M)	renal disease	Beta-2 microglobulin (B2M)-Ag01: Recombinant human B2M Protein	Beta-2 microglobulin (B2M) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in B2M level test of Kidney function (renal damages)(renal disease) and related syndrome evaluation.	Beta-2 microglobulin (B2M)-Ab01; Beta-2 microglobulin (B2M)-Ab02: Anti-human B2M mouse monoclonal antibody(mAb)	Human Beta-2 microglobulin (B2M) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Beta-2 microglobulin (B2M) antibodies in B2M level test of Kidney function (renal damages) (renal disease) and related syndrome evaluation.	


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Cystatin C (CYSC)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-CYSC	Human	Cystatin C (CYSC)	kidney function (renal damages)	Cystatin C (CYSC)-Ag01: Recombinant human CYSC Protein	Cystatin C (CYSC) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in CYSC level test of Kidney function (renal damages)(kidney function (renal damages)) and related syndrome evaluation.	Cystatin C (CYSC)-Ab01; Cystatin C (CYSC)-Ab02: Anti-human CYSC mouse monoclonal antibody(mAb)	Human Cystatin C (CYSC) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Cystatin C (CYSC) antibodies in CYSC level test of Kidney function (renal damages) (kidney function (renal damages)) and related syndrome evaluation.	


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Neutrophil gelatinase-associated lipocalin (NGAL)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-NGAL	Human	Neutrophil gelatinase-associated lipocalin (NGAL)	kidney injury	Neutrophil gelatinase-associated lipocalin (NGAL)-Ag01: Recombinant human NGAL Protein	Neutrophil gelatinase-associated lipocalin (NGAL) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in NGAL level test of Kidney function (renal damages) (kidney injury) and related syndrome evaluation.	Neutrophil gelatinase-associated lipocalin (NGAL)-Ab01; Neutrophil gelatinase-associated lipocalin (NGAL)-Ab02: Anti-human NGAL mouse monoclonal antibody(mAb)	Human Neutrophil gelatinase-associated lipocalin (NGAL) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Neutrophil gelatinase-associated lipocalin (NGAL) antibodies in NGAL level test of Kidney function (renal damages) (kidney injury) and related syndrome evaluation.	

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Alpha-1-microglobulin (A1M)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-A1M	Human	Alpha-1-microglobulin (A1M)	Proteinuria, preeclampsia,	Alpha-1-microglobulin (A1M)-Ag01: Recombinant human A1M Protein	Alpha-1-microglobulin (A1M) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in A1M level test of Kidney function (renal damages)(Proteinuria, preeclampsia,) and related syndrome evaluation.	Alpha-1-microglobulin (A1M)-Ab01; Alpha-1-microglobulin (A1M)-Ab02: Anti-human A1M mouse monoclonal antibody(mAb)	Human Alpha-1-microglobulin (A1M) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Alpha-1-microglobulin (A1M) antibodies in A1M level test of Kidney function (renal damages) (Proteinuria, preeclampsia,) and related syndrome evaluation.	


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Diagnostic antibodies and antigens for gastric disease testing: pepsinogen I (PG I), Pepsinogen II (PG II), Gastrin 17 (G17), trefoil factor 1 (TFF1), Gastrin (G100)

Gastric disorders are the most common disease leads to the death. Most death of gastric disease is mostly due the diagnosis at late-stage. The diagnosis of Gastric disease at early-stage is delayed due to the lack symptoms and effective diagnostic technique. The traditional technology, including endoscopic examination and gastroscopic biopsy are invasive to screen large population. Hence, biomarkers such as pepsinogen I, Pepsinogen II, Gastrin 17, trefoil factor 1, Gastrin and so on have been developed to detect the gastric diseases at an early stage for large population to significantly reduce the death caused by gastric cancer. However, the detection of these marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.


Classification: PG I PG II G17 TFF1 G100

pepsinogen I (PG I)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-PG-I	Human	pepsinogen I (PG I)	atrophic gastritis, pernicious anemia, intestinal metaplasia, dysplasia, gastric polyps, and gastric cancer	GMP-h-PG-I-Ag01: Recombinant human PG I Protein	pepsinogen I (PG I) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in PG I level test of Gastric disease(atrophic gastritis, pernicious anemia, intestinal metaplasia, dysplasia, gastric polyps, and gastric cancer) and related syndrome evaluation.	GMP-h-PG-I-Ab01; GMP-h-PG-I-Ab02: Anti-human PG I mouse monoclonal antibody(mAb)	Human pepsinogen I (PG I) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other pepsinogen I (PG I) antibodies in PG I level test of Gastric disease (atrophic gastritis, pernicious anemia, intestinal metaplasia, dysplasia, gastric polyps, and gastric cancer) and related syndrome evaluation.	


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Pepsinogen II (PG II)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-PG-II	Human	Pepsinogen II (PG II)	pernicious anemia	GMP-h-PG-II-Ag01: Recombinant human PG II Protein	Pepsinogen II (PG II) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in PG II level test of Gastric disease(pernicious anemia) and related syndrome evaluation.	GMP-h-PG-II-Ab01; GMP-h-PG-II-Ab02: Anti-human PG II mouse monoclonal antibody(mAb)	Human Pepsinogen II (PG II) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Pepsinogen II (PG II) antibodies in PG II level test of Gastric disease (pernicious anemia) and related syndrome evaluation.	

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Gastrin 17 (G17)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-G17	Human	Gastrin 17 (G17)	Chronic atrophic gastritis (CAG)	GMP-SMT-G17-Ag01: BSA-Gastrin 17 (G17) GMP-SMT-G17-Ag02: OVA-Gastrin 17 (G17)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Gastrin 17 (G17)], Gastrin 17 (G17) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in G17 level test of Gastric disease (Chronic atrophic gastritis (CAG)) and related syndrome evaluation.	GMP-SMT-G17-Ab01: Anti-Gastrin 17 (G17) mouse monoclonal antibody(mAb)	Human Gastrin 17 (G17) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in G17 level test of Gastric disease (Chronic atrophic gastritis (CAG)) and related syndrome evaluation.	

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trefoil factor 1 (TFF1)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-TFF1	Human	trefoil factor 1 (TFF1)	Bile Reflux and Gastric Ulcer	GMP-SMT-TFF1-Ag01: BSA-trefoil factor 1 (TFF1) GMP-SMT-TFF1-Ag02: OVA-trefoil factor 1 (TFF1)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-trefoil factor 1 (TFF1)], trefoil factor 1 (TFF1) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in TFF1 level test of Gastric disease (Bile Reflux and Gastric Ulcer) and related syndrome evaluation.	GMP-SMT-TFF1-Ab01: Anti-trefoil factor 1 (TFF1) mouse monoclonal antibody(mAb)	Human trefoil factor 1 (TFF1) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in TFF1 level test of Gastric disease (Bile Reflux and Gastric Ulcer) and related syndrome evaluation.	

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Gastrin (G100)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-G100	Human	Gastrin (G100)	gastrinoma	GMP-h-G100-Ag01: Recombinant human G100 Protein	Gastrin (G100) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in G100 level test of Gastric disease(gastrinoma) and related syndrome evaluation.	GMP-h-G100-Ab01; GMP-h-G100-Ab02: Anti-human G100 mouse monoclonal antibody(mAb)	Human Gastrin (G100) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Gastrin (G100) antibodies in G100 level test of Gastric disease (gastrinoma) and related syndrome evaluation.	


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Diagnostic antibodies and antigens for thyroid disease testing: Reverse triiodothyronine (rT3), Thyroid Stimulating Hormone (TSH)

Thyroid gland produces the hormones that keep body functioning normally. When concentration of these hormone increases or decrease, it's called a thyroid disease. There are several types of thyroid disease, which includes hyperthyroidism, hypothyroidism, thyroiditis and Hashimoto's thyroiditis. The most commonly measured thyroid hormones are thyroid stimulating hormone (TSH), total thyroxine (T4), free T4, total triiodothyronine (T3), and free T3. The thyroid gland produces T4, as well as some T3. After its release from the thyroid gland, T4 is converted to T3, which is an active thyroid hormone, or to Reverse triiodothyronine (rT3), which is considered an inactive form. The rate and ratio of T4 conversion to either T3 or rT3 is depends upon the body's metabolic requirement. Hence, the measurement of reverse triiodothyronine, thyroid-stimulating hormone and so on is useful to diagnose the thyroid disorder. GeneMedi offers diagnostic antigen and antibody to detect the thyroid disorder.

Classification: RT3 TSH


Reverse triiodothyronine (rT3)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-rT3	Human	Reverse triiodothyronine (rT3)	stress	GMP-SMT-rT3-Ag01: BSA-Reverse triiodothyronine (rT3) GMP-SMT-rT3-Ag02: OVA-Reverse triiodothyronine (rT3)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Reverse triiodothyronine (rT3)], Reverse triiodothyronine (rT3) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in rT3 level test of Thyroid diseases (stress) and related syndrome evaluation.	GMP-SMT-rT3-Ab01: Anti-Reverse triiodothyronine (rT3) mouse monoclonal antibody(mAb)	Human Reverse triiodothyronine (rT3) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in rT3 level test of Thyroid diseases (stress) and related syndrome evaluation.	

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Thyroid Stimulating Hormone (TSH)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-TSH	Human	Thyroid Stimulating Hormone (TSH)	Hypothyroidism, hyperthyroidism	GMP-h-TSH-Ag01: Recombinant human TSH Protein	Thyroid Stimulating Hormone (TSH) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in TSH level test of Thyroid diseases(Hypothyroidism, hyperthyroidism) and related syndrome evaluation.	GMP-h-TSH-Ab01; GMP-h-TSH-Ab02: Anti-human TSH mouse monoclonal antibody(mAb)	Human Thyroid Stimulating Hormone (TSH) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Thyroid Stimulating Hormone (TSH) antibodies in TSH level test of Thyroid diseases (Hypothyroidism, hyperthyroidism) and related syndrome evaluation.	


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Diagnostic antibodies and antigens for inflammatory bowel disease testing: Calprotectin (S100-A8)

Inflammatory bowel disease (IBD) is a group of idiopathic inflammatory disorders of the gastrointestinal (GI) tract characterized by the symptoms of abdominal pain and diarrhea. IBD is diagnosed by the comprehensive analysis of clinical findings, radiological imaging, invasive endoscopy and histopathological examination. Due to a lack of a gold standard, certain patients do not receive a definitive diagnosis using current diagnostic criteria. Recently, the search for a noninvasive marker that could augment or replace part of this diagnostic process has become a focus of IBD research. antibody markers, including microbial antibodies, autoantibodies and peptide antibodies, will minimize the use of endoscopic and radiologic examinations and improve the long-term prognosis of patients with IBD. Several intestinal inflammations and so on have been identified using specific marker. Detecting the quantity of marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.

Classification: S100-A8

Calprotectin (S100-A8)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-S100-A8	Human	Calprotectin (S100-A8)	intestinal inflammation	GMP-h-S100-A8-Ag01: Recombinant human S100-A8 Protein	Calprotectin (S100-A8) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in S100-A8 level test of Bowel disease (intestinal inflammation) and related syndrome evaluation.	GMP-h-S100-A8-Ab01; GMP-h-S100-A8-Ab02: Anti-human S100-A8 mouse monoclonal antibody(mAb)	Human Calprotectin (S100-A8) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Calprotectin (S100-A8) antibodies in S100-A8 level test of Bowel disease (intestinal inflammation) and related syndrome evaluation.	

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Diagnostic antibodies and antigens for fertility testing: Anti-Mullerian hormone (AMH), Fetal fibronectin (fFN), acrosome protein (ACRV1)

The pregnancy contains multiple steps that must effectively happen at a precise time and in the precise place. For fertilization, oocytes and sperm cells must experience a series of differentiation and development process. Abnormalities on the placement of embryo in the woman's uterus, decidualization, placentation and intrauterine embryonic development consequence the onset of pre-eclampsia, miscarriage and/or preterm birth. On the other hand, sperm cells of the man should undergo capacitation and acrosome exocytosis to fertilize oocytes appropriately. A little imbalance in this process may disturb the capability of sperm cells to fertilize the egg. Thus, the detection of biomarkers to monitor the pregnancy process, and complication in both female and male gametes is an opportunity for successful pregnancy. Recently, several biomarkers have been developed to improve diagnostic accuracy. Indeed, GENEMEDI offer the biomarkers such as Anti-Mullerian hormone (AMH), Fetal fibronectin (fFN), acrosome protein and so on to make a successful pregnancy. Detecting the quantity of these marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.

Classification: AMH FFN ACRV1


Anti-Mullerian hormone (AMH)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-AMH	Human	Anti-Mu'llerian hormone (AMH)	polycystic ovary syndrome (PCOS)	GMP-h-AMH-Ag01: Recombinant human AMH Protein	Anti-Mu'llerian hormone (AMH) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in AMH level test of Fertility(polycystic ovary syndrome (PCOS)) and related syndrome evaluation.	GMP-h-AMH-Ab01; GMP-h-AMH-Ab02: Anti-human AMH mouse monoclonal antibody(mAb)	Human Anti-Mu'llerian hormone (AMH) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Anti-Mu'llerian hormone (AMH) antibodies in AMH level test of Fertility (polycystic ovary syndrome (PCOS)) and related syndrome evaluation.	


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Fetal fibronectin (fFN)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-fFN	Human	Fetal fibronectin (fFN)	premature delivery	GMP-h-fFN-Ag01: Recombinant human fFN Protein	Fetal fibronectin (fFN) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in fFN level test of Fertility(premature delivery) and related syndrome evaluation.	GMP-h-fFN-Ab01; GMP-h-fFN-Ab02: Anti-human fFN mouse monoclonal antibody(mAb)	Human Fetal fibronectin (fFN) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Fetal fibronectin (fFN) antibodies in fFN level test of Fertility (premature delivery) and related syndrome evaluation.	

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acrosome protein (ACRV1)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-ACRV1	Human	acrosome protein (ACRV1)	Fertilization	GMP-h-ACRV1-Ag01: Recombinant human ACRV1 Protein	acrosome protein (ACRV1) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in ACRV1 level test of Fertility(Fertilization) and related syndrome evaluation.	GMP-h-ACRV1-Ab01; GMP-h-ACRV1-Ab02: Anti-human ACRV1 mouse monoclonal antibody(mAb)	Human acrosome protein (ACRV1) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other acrosome protein (ACRV1) antibodies in ACRV1 level test of Fertility (Fertilization) and related syndrome evaluation.	


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Diagnostic antibodies and antigens for diabetes testing: C-peptide, Copeptin, Human Insulin (Ins), Human Proinsulin (Proinsulin), Adiponectin (ADPN)

Diabetes mellitus is the most known chronic disorder characterized by hyperglycemia. Diabetes mellitus is classified based on the deficiency of insulin production due to β -cell destruction (type 1) and by increased insulin resistance (type 2). The increasing rate of obesity increased the difficulties to determine the type of diabetes mellitus. The classification of diabetes mellitus is important for treatment. Beside the conventional method, the detection of biomarkers such as c-peptide, copeptin, insulin, proinsulin, adiponectin and so on are used to differentiate the diabetes mellitus type. However, the detection of these marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.


Classification: C-PEPTIDE COPEPTIN INS PROINSULIN ADPN

C-peptide

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-C-Peptide	Human	C-peptide	type 1 diabetes mellitus	GMP-h-C-Peptide-Ag01: Recombinant human C-Peptide Protein	C-peptide (C-Peptide) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in C-Peptide level test of Diabetes diseases(type 1 diabetes mellitus) and related syndrome evaluation.	GMP-h-C-Peptide-Ab01; GMP-h-C-Peptide-Ab02: Anti-human C-Peptide mouse monoclonal antibody(mAb)	Human C-peptide (C-Peptide) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other C-peptide (C-Peptide) antibodies in C-Peptide level test of Diabetes diseases (type 1 diabetes mellitus) and related syndrome evaluation.	


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Copeptin

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-Copeptin	Human	Copeptin	diabetes insipidus, syndrome of inappropriate antidiuresis (SIAD)	GMP-h-Copeptin-Ag01: Recombinant human Copeptin Protein	Copeptin antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in Copeptin level test of Diabetes diseases(diabetes insipidus, syndrome of inappropriate antidiuresis (SIAD)) and related syndrome evaluation.	GMP-h-Copeptin-Ab01; GMP-h-Copeptin-Ab02: Anti-human Copeptin mouse monoclonal antibody(mAb)	Human Copeptin antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Copeptin antibodies in Copeptin level test of Diabetes diseases (diabetes insipidus, syndrome of inappropriate antidiuresis (SIAD)) and related syndrome evaluation.	


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Human Insulin (Ins)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-Ins	Human	Human Insulin (Ins)	Diabetes mellitus	GMP-h-Ins-Ag01: Recombinant human Ins Protein	Human Insulin (Ins) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in Ins level test of Diabetes diseases(Diabetes mellitus) and related syndrome evaluation.	GMP-h-Ins-Ab01; GMP-h-Ins-Ab02: Anti-human Ins mouse monoclonal antibody(mAb)	Human Human Insulin (Ins) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Human Insulin (Ins) antibodies in Ins level test of Diabetes diseases (Diabetes mellitus) and related syndrome evaluation.	


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Human Proinsulin (Proinsulin)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-Proinsulin	Human	Human Proinsulin (Proinsulin)	type 2 diabetes	GMP-h-Proinsulin-Ag01: Recombinant human Proinsulin Protein	Human Proinsulin (Proinsulin) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in Proinsulin level test of Diabetes diseases(type 2 diabetes) and related syndrome evaluation.	GMP-h-Proinsulin-Ab01; GMP-h-Proinsulin-Ab02: Anti-human Proinsulin mouse monoclonal antibody(mAb)	Human Human Proinsulin (Proinsulin) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Human Proinsulin (Proinsulin) antibodies in Proinsulin level test of Diabetes diseases (type 2 diabetes) and related syndrome evaluation.	

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Adiponectin (ADPN)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-ADPN	Human	Adiponectin (ADPN)	diabetes, obesity and atherosclerosis	GMP-h-ADPN-Ag01: Recombinant human ADPN Protein	Adiponectin (ADPN) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in ADPN level test of Diabetes diseases(diabetes, obesity and atherosclerosis) and related syndrome evaluation.	GMP-h-ADPN-Ab01; GMP-h-ADPN-Ab02: Anti-human ADPN mouse monoclonal antibody(mAb)	Human Adiponectin (ADPN) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Adiponectin (ADPN) antibodies in ADPN level test of Diabetes diseases (diabetes, obesity and atherosclerosis) and related syndrome evaluation.	


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Diagnostic antibodies and antigens for metabolic diseases testing: 25-OH-(VD3+VD2), PINP, β -CTx, 25-OH-VD, 25-OH-VD-3, SAHH, CBL, CBS, LP-PLA2, RBP4

Metabolism is the process of making energy from the food. metabolic disease, any of the diseases or disorders that disrupt normal metabolism, the process of converting food to energy on a cellular level. Thousands of enzymes participating in numerous interdependent metabolic pathways carry out this process. Metabolic diseases affect the ability of the cell to perform critical biochemical reactions that involve the processing or transport of proteins (amino acids), carbohydrates (sugars and starches), or lipids (fatty acids). The consequences of metabolic disorder may be severe; intellectual disability, seizures, decreased muscle tone, organ failure, blindness, and deafness may occur, depending on which enzyme is dysfunctional. Biomarker such as -25 hydroxyvitamin D, amino-terminal propeptide (PINP), β -isomerized C-terminal telopeptides, 25-hydroxy (OH) Vitamin, S-adenosylhomocysteine (AdoHcy) hydrolase, cystathionine- β -synthase enzyme, Phospholipase A2, Retinol binding protein 4 and so on are suitable for monitoring metabolic disease. Detecting the quantity of these marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.


Classification: 25-OH-(VD3+VD2) PINP B-CTX 25-OH-VD 25-OH-VD-3 SAHH CBL CBS LP-PLA2 RBP4

25 hydroxyvitamin D (25-OH-(VD3+VD2))

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-25-OH-VD3/2	Human	25 hydroxyvitamin D (25-OH-(VD3+VD2))	bone fracture, coronary heart disease, cancer, and all-cause mortality	GMP-SMT-25-OH-VD3/2-Ag01: BSA-25 hydroxyvitamin D (25-OH-(VD3+VD2)) GMP-SMT-25-OH-VD3/2-Ag02: OVA-25 hydroxyvitamin D (25-OH-(VD3+VD2))	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-25 hydroxyvitamin D (25-OH-(VD3+VD2))], 25 hydroxyvitamin D (25-OH-(VD3+VD2)) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in 25-OH-(VD3+VD2) level test of Metabolic diseases (bone fracture, coronary heart disease, cancer, and all-cause mortality) and related syndrome evaluation.	GMP-SMT-25-OH-VD3/2-Ab01: Anti-25 hydroxyvitamin D (25-OH-(VD3+VD2)) mouse monoclonal antibody(mAb)	Human 25 hydroxyvitamin D (25-OH-(VD3+VD2)) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in 25-OH-(VD3+VD2) level test of Metabolic diseases (bone fracture, coronary heart disease, cancer, and all-cause mortality) and related syndrome evaluation.	


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amino-terminal propeptide (PINP) (PINP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-PINP	Human	amino-terminal propeptide (PINP) (PINP)	osteoporosis therapy	GMP-h-PINP-Ag01: Recombinant human PINP Protein	amino-terminal propeptide (PINP) (PINP) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in PINP level test of Metabolic diseases(osteoporosis therapy) and related syndrome evaluation.	GMP-h-PINP-Ab01; GMP-h-PINP-Ab02: Anti-human PINP mouse monoclonal antibody(mAb)	Human amino-terminal propeptide (PINP) (PINP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other amino-terminal propeptide (PINP) (PINP) antibodies in PINP level test of Metabolic diseases (osteoporosis therapy) and related syndrome evaluation.	

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β -isomerized C-terminal telopeptides (β -CTX)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h- β -CTX	Human	β -isomerized C-terminal telopeptides (β -CTX)	osteoporosis	GMP-h- β -CTX-Ag01: Recombinant human β -CTX Protein	β -isomerized C-terminal telopeptides (β -CTX) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in β -CTX level test of Metabolic diseases(osteoporosis) and related syndrome evaluation.	GMP-h- β -CTX-Ab01; GMP-h- β -CTX-Ab02: Anti-human β -CTX mouse monoclonal antibody(mAb)	Human β -isomerized C-terminal telopeptides (β -CTX) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other β -isomerized C-terminal telopeptides (β -CTX) antibodies in β -CTX level test of Metabolic diseases (osteoporosis) and related syndrome evaluation.	

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25-hydroxy (OH) Vitamin (25-OH-VD)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-25-OH-VD	Human	25-hydroxy (OH) Vitamin (25-OH-VD)	osteoporosis and rickets	GMP-SMT-25-OH-VD-Ag01: BSA-25-hydroxy (OH) Vitamin (25-OH-VD) GMP-SMT-25-OH-VD-Ag02: OVA-25-hydroxy (OH) Vitamin (25-OH-VD)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-25-hydroxy (OH) Vitamin (25-OH-VD)], 25-hydroxy (OH) Vitamin (25-OH-VD) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in 25-OH-VD level test of Metabolic diseases (osteoporosis and rickets) and related syndrome evaluation.	GMP-SMT-25-OH-VD-Ab01: Anti-25-hydroxy (OH) Vitamin (25-OH-VD) mouse monoclonal antibody(mAb)	Human 25-hydroxy (OH) Vitamin (25-OH-VD) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in 25-OH-VD level test of Metabolic diseases (osteoporosis and rickets) and related syndrome evaluation.	


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25-hydroxy (OH) Vitamin (25-OH-VD)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-25-OH-VD-3	Human	25-hydroxy (OH) Vitamin D3 (25-OH-VD-3)	osteoporosis and rickets	GMP-SMT-25-OH-VD-3-Ag01: BSA-25-hydroxy (OH) Vitamin D3 (25-OH-VD-3) GMP-SMT-25-OH-VD-3-Ag02: OVA-25-hydroxy (OH) Vitamin D3 (25-OH-VD-3)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-25-hydroxy (OH) Vitamin D3 (25-OH-VD-3)], 25-hydroxy (OH) Vitamin D3 (25-OH-VD-3) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in 25-OH-VD-3 level test of Metabolic diseases (osteoporosis and rickets) and related syndrome evaluation.	GMP-SMT-25-OH-VD-3-Ab01: GMP-SMT-25-OH-VD-3-Ab02: Anti-25-hydroxy (OH) Vitamin D3 (25-OH-VD-3) mouse monoclonal antibody(mAb)	Human 25-hydroxy (OH) Vitamin D3 (25-OH-VD-3) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in 25-OH-VD-3 level test of Metabolic diseases (osteoporosis and rickets) and related syndrome evaluation.	

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S-adenosylhomocysteine (AdoHcy) hydrolase (SAHH)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-SAHH	Human	S-adenosylhomocysteine (AdoHcy) hydrolase (SAHH)	S-adenosylhomocysteine (AdoHcy) hydrolase deficiency	GMP-h-SAHH-Ag01: Recombinant human SAHH Protein	S-adenosylhomocysteine (AdoHcy) hydrolase (SAHH) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in SAHH level test of Metabolic diseases(S-adenosylhomocysteine (AdoHcy) hydrolase deficiency) and related syndrome evaluation.	GMP-h-SAHH-Ab01: GMP-h-SAHH-Ab02: Anti-human SAHH mouse monoclonal antibody(mAb)	Human S-adenosylhomocysteine (AdoHcy) hydrolase (SAHH) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other S-adenosylhomocysteine (AdoHcy) hydrolase (SAHH) antibodies in SAHH level test of Metabolic diseases (S-adenosylhomocysteine (AdoHcy) hydrolase deficiency) and related syndrome evaluation.	

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cystathionine-β-synthase enzyme (CBL)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-CBL	Human	cystathionine-β-synthase enzyme (CBL)	ectopia lentis, learning difficulties and skeletal abnormalities	GMP-h-CBL-Ag01: Recombinant human CBL Protein	cystathionine-β-synthase enzyme (CBL) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in CBL level test of Metabolic diseases(ectopia lentis, learning difficulties and skeletal abnormalities) and related syndrome evaluation.	GMP-h-CBL-Ab01; GMP-h-CBL-Ab02: Anti-human CBL mouse monoclonal antibody(mAb)	Human cystathionine-β-synthase enzyme (CBL) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other cystathionine-β-synthase enzyme (CBL) antibodies in CBL level test of Metabolic diseases (ectopia lentis, learning difficulties and skeletal abnormalities) and related syndrome evaluation.	


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cystathionine-β-synthase enzyme (CBS)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-CBS	Human	cystathionine-β-synthase enzyme (CBS)	ectopia lentis, learning difficulties and skeletal abnormalities	GMP-h-CBS-Ag01: Recombinant human CBS Protein	cystathionine-β-synthase enzyme (CBS) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in CBS level test of Metabolic diseases(ectopia lentis, learning difficulties and skeletal abnormalities) and related syndrome evaluation.	GMP-h-CBS-Ab01; GMP-h-CBS-Ab02: Anti-human CBS mouse monoclonal antibody(mAb)	Human cystathionine-β-synthase enzyme (CBS) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other cystathionine-β-synthase enzyme (CBS) antibodies in CBS level test of Metabolic diseases (ectopia lentis, learning difficulties and skeletal abnormalities) and related syndrome evaluation.	


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Phospholipase A2 (LP-PLA2)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-LP-PLA2	Human	Phospholipase A2 (LP-PLA2)	atherosclerosis, hyperlipidemia, obesity, and diabetes	GMP-SMT-LP-PLA2-Ag01: BSA-Phospholipase A2 (LP-PLA2)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Phospholipase A2 (LP-PLA2)], Phospholipase A2 (LP-PLA2) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in LP-PLA2 level test of Metabolic diseases (atherosclerosis, hyperlipidemia, obesity, and diabetes) and related syndrome evaluation.	GMP-SMT-LP-PLA2-Ab01; GMP-SMT-LP-PLA2-Ab02: Anti-Phospholipase A2 (LP-PLA2) mouse monoclonal antibody(mAb)	Human Phospholipase A2 (LP-PLA2) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in LP-PLA2 level test of Metabolic diseases (atherosclerosis, hyperlipidemia, obesity, and diabetes) and related syndrome evaluation.	

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Retinol binding protein 4 (RBP4)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-RBP4	Human	Retinol binding protein 4 (RBP4)	obesity, type 2 diabetes, metabolic syndrome, and cardiovascular diseases	GMP-SMT-RBP4-Ag01: BSA-Retinol binding protein 4 (RBP4)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Retinol binding protein 4 (RBP4)], Retinol binding protein 4 (RBP4) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in RBP4 level test of Metabolic diseases (obesity, type 2 diabetes, metabolic syndrome, and cardiovascular diseases) and related syndrome evaluation.	GMP-SMT-RBP4-Ab01; GMP-SMT-RBP4-Ab02: Anti-Retinol binding protein 4 (RBP4) mouse monoclonal antibody(mAb)	Human Retinol binding protein 4 (RBP4) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in RBP4 level test of Metabolic diseases (obesity, type 2 diabetes, metabolic syndrome, and cardiovascular diseases) and related syndrome evaluation.	


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Diagnostic antibodies and antigens for hormonal disorders testing: DHEA, DEX, Calcitonin, Cortisol, Testosterone, PG, EPO, Progesterone, LH, Prolactin, Estrone, Estradiol, HCG, DES/HES, Bisphenol A, Thyroxin T4, Forchlorfenuron, Norethisterone, Flugestone Acetate, Thyroxin T3, IGFBP-1, ACTH, PTH, TBG, FSH

Hormones are proteins, which help organs and tissues to perform specific functions. hormones play an integral role in your overall health. It controls growth, fertility, sexual function, emotions, and absorption of nutrients. Hormone disorders are the result of a hormonal imbalance i.e production of too much or too little of one or more hormones. Several hormonal disorders such as Anemia, hypothyroidism, irregular bleeding, pituitary or adrenal malfunction, acromegaly, acute inflammation, breast cancer, Cushing's syndrome, erythrocytosis, gigantism, hypergonadotrophic-hypogonadism, Hyperparathyroidism, hypertension, hypopituitarism, infertility, mood swings, polycythemia, pregnancy, Testosterone Deficiency Syndrome, thyroid cancer and so on have been identified using specific marker. Detecting the quantity of marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.


Classification: DHEA DEX CALCITONIN CORTISOL TESTOSTERONE PG EPO PROGESTERONE LH PROLACTIN E1 E2/E3 HGH HCG DES/HES BISPENOL A THYROXIN T4 FORCHLORFENURON NORETHISTERONE FLUGESTONE ACETATE THYROXIN T3 IGFBP-1 ACTH PTH TBG FSH

dehydroepiandrosterone (DHEA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-DHEA	Human	dehydroepiandrosterone (DHEA)	Hormone disorders	GMP-SMT-DHEA-Ag01: BSA-dehydroepiandrosterone (DHEA); GMP-SMT-DHEA-Ag02: OVA-dehydroepiandrosterone (DHEA)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-dehydroepiandrosterone (DHEA)], dehydroepiandrosterone (DHEA) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in DHEA level test of Hormone disorders (Hormone disorders) and related syndrome evaluation.	GMP-SMT-DHEA-Ab01: Anti-dehydroepiandrosterone (DHEA) mouse monoclonal antibody(mAb)	Human dehydroepiandrosterone (DHEA) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in DHEA level test of Hormone disorders (Hormone disorders) and related syndrome evaluation.	


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Dexamethasone (DEX)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-DEX	Human	Dexamethasone (DEX)	Cushing's syndrome	GMP-SMT-DEX-Ag01: BSA-Dexamethasone (DEX); GMP-SMT-DEX-Ag02: OVA-Dexamethasone (DEX)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Dexamethasone (DEX)], Dexamethasone (DEX) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in DEX level test of Hormone disorders (Cushing's syndrome) and related syndrome evaluation.	GMP-SMT-DEX-Ab01: Anti-Dexamethasone (DEX) mouse monoclonal antibody(mAb)	Human Dexamethasone (DEX) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in DEX level test of Hormone disorders (Cushing's syndrome) and related syndrome evaluation.	


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Calcitonin

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-Calcitonin	Human	Calcitonin	thyroid cancer	GMP-SMT-Calcitonin-Ag01: BSA-Calcitonin; GMP-SMT-Calcitonin-Ag02: OVA-Calcitonin	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Calcitonin], Calcitonin antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Calcitonin level test of Hormone disorders (thyroid cancer) and related syndrome evaluation.	GMP-SMT-Calcitonin-Ab01: Anti-Calcitonin mouse monoclonal antibody(mAb)	Human Calcitonin binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Calcitonin level test of Hormone disorders (thyroid cancer) and related syndrome evaluation.	


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Cortisol

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-Cortisol	Human	Cortisol	adrenal gland disorder	GMP-SMT-Cortisol-Ag01: BSA-Cortisol; GMP-SMT-Cortisol-Ag02: OVA-Cortisol	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Cortisol], Cortisol antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Cortisol level test of Hormone disorders (adrenal gland disorder) and related syndrome evaluation.	GMP-SMT-Cortisol-Ab01: Anti-Cortisol mouse monoclonal antibody(mAb)	Human Cortisol binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Cortisol level test of Hormone disorders (adrenal gland disorder) and related syndrome evaluation.	


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Testosterone

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-Testosterone	Human	Testosterone	Testosterone Deficiency Syndrome	GMP-SMT-Testosterone-Ag01: BSA-Testosterone; GMP-SMT-Testosterone-Ag02: OVA-Testosterone	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Testosterone], Testosterone antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Testosterone level test of Hormone disorders (Testosterone Deficiency Syndrome) and related syndrome evaluation.	GMP-SMT-Testosterone-Ab01: Anti-Testosterone mouse monoclonal antibody(mAb)	Human Testosterone binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Testosterone level test of Hormone disorders (Testosterone Deficiency Syndrome) and related syndrome evaluation.	


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Prostaglandin (PG)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-PG	Human	Prostaglandin (PG)	acute inflammation	GMP-SMT-PG-Ag01: BSA-Prostaglandin (PG); GMP-SMT-PG-Ag02: OVA-Prostaglandin (PG)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Prostaglandin (PG)], Prostaglandin (PG) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in PG level test of Hormone disorders (acute inflammation) and related syndrome evaluation.	GMP-SMT-PG-Ab01: Anti-Prostaglandin (PG) mouse monoclonal antibody(mAb)	Human Prostaglandin (PG) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in PG level test of Hormone disorders (acute inflammation) and related syndrome evaluation.	

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Erythropoetin (EPO)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-EPO	Human	Erythropoetin (EPO)	Anemia, polycythemia or erythrocytosis, hypertension	GMP-SMT-EPO-Ag01: BSA-Erythropoetin (EPO); GMP-SMT-EPO-Ag02: OVA-Erythropoetin (EPO)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Erythropoetin (EPO)], Erythropoetin (EPO) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in EPO level test of Hormone disorders (Anemia, polycythemia or erythrocytosis, hypertension) and related syndrome evaluation.	GMP-SMT-EPO-Ab01: Anti-Erythropoetin (EPO) mouse monoclonal antibody(mAb)	Human Erythropoetin (EPO) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in EPO level test of Hormone disorders (Anemia, polycythemia or erythrocytosis, hypertension) and related syndrome evaluation.	

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Progesterone

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-Progesterone	Human	Progesterone	fertility	GMP-SMT-Progesterone-Ag01: BSA-Progesterone; GMP-SMT-Progesterone-Ag02: OVA-Progesterone	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Progesterone], Progesterone antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Progesterone level test of Hormone disorders (fertility) and related syndrome evaluation.	GMP-SMT-Progesterone-Ab01: Anti-Progesterone mouse monoclonal antibody(mAb)	Human Progesterone binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Progesterone level test of Hormone disorders (fertility) and related syndrome evaluation.	


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Luteinizing hormone (LH)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-LH	Human	Luteinizing hormone (LH)	fertility	GMP-SMT-LH-Ag01: BSA-Luteinizing hormone (LH); GMP-SMT-LH-Ag02: OVA-Luteinizing hormone (LH)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Luteinizing hormone (LH)], Luteinizing hormone (LH) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in LH level test of Hormone disorders (fertility) and related syndrome evaluation.	GMP-SMT-LH-Ab01: Anti-Luteinizing hormone (LH) mouse monoclonal antibody(mAb)	Human Luteinizing hormone (LH) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in LH level test of Hormone disorders (fertility) and related syndrome evaluation.	


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Prolactin

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-Prolactin	Human	Prolactin	fertility	GMP-SMT-Prolactin-Ag01: BSA-Prolactin; GMP-SMT-Prolactin-Ag02: OVA-Prolactin	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Prolactin], Prolactin antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Prolactin level test of Hormone disorders (fertility) and related syndrome evaluation.	GMP-SMT-Prolactin-Ab01: Anti-Prolactin mouse monoclonal antibody(mAb)	Human Prolactin binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Prolactin level test of Hormone disorders (fertility) and related syndrome evaluation.	

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Estrone (E1)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-E1	Human	Estrone (E1)	irregular bleeding, fatigue or mood swings	GMP-SMT-E1-Ag01: BSA-Estrone (E1); GMP-SMT-E1-Ag02: OVA-Estrone (E1)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Estrone (E1)], Estrone (E1) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in E1 level test of Hormone disorders (irregular bleeding, fatigue or mood swings) and related syndrome evaluation.	GMP-SMT-E1-Ab01: Anti-Estrone (E1) mouse monoclonal antibody(mAb)	Human Estrone (E1) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in E1 level test of Hormone disorders (irregular bleeding, fatigue or mood swings) and related syndrome evaluation.	

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Estradiol (E2/E3)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-E2/E3	Human	Estradiol (E2/E3)	Fertility	GMP-SMT-E2/E3-Ag01: BSA-Estradiol (E2/E3); GMP-SMT-E2/E3-Ag02: OVA-Estradiol (E2/E3)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Estradiol (E2/E3)], Estradiol (E2/E3) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in E2/E3 level test of Hormone disorders (Fertility) and related syndrome evaluation.	GMP-SMT-E2/E3-Ab01: Anti-Estradiol (E2/E3) mouse monoclonal antibody(mAb)	Human Estradiol (E2/E3) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in E2/E3 level test of Hormone disorders (Fertility) and related syndrome evaluation.	


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Growth hormone (hGH)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-hGH	Human	Growth hormone (hGH)	Acromegaly, gigantism	GMP-h-hGH-Ag01: Recombinant human hGH Protein	Growth hormone (hGH) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in hGH level test of Hormone disorders (Acromegaly, gigantism) and related syndrome evaluation.	GMP-h-hGH-Ab01; GMP-h-hGH-Ab02: Anti-human hGH mouse monoclonal antibody (mAb)	Human Growth hormone (hGH) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Growth hormone (hGH) antibodies in hGH level test of Hormone disorders (Acromegaly, gigantism) and related syndrome evaluation.	


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Human chorionic gonadotropin (HCG)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-HCG	Human	Human chorionic gonadotropin (HCG)	pregnancy	GMP-h-HCG-Ag01: Recombinant human HCG Protein	Human chorionic gonadotropin (HCG) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in HCG level test of Hormone disorders (Acromegaly, gigantism) and related syndrome evaluation.	GMP-h-HCG-Ab01; GMP-h-HCG-Ab02: Anti-human HCG mouse monoclonal antibody (mAb)	Human chorionic gonadotropin (HCG) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Human chorionic gonadotropin (HCG) antibodies in HCG level test of Hormone disorders (Acromegaly, gigantism) and related syndrome evaluation.	

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Diethylstilbestrol/Hexestrol (DES/HES)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-DES/HES	Human	Diethylstilbestrol/Hexestrol (DES/HES)	Food safety	GMP-SMT-DES/HES-Ag01: BSA-Diethylstilbestrol/Hexestrol (DES/HES); GMP-SMT-DES/HES-Ag02: OVA-Diethylstilbestrol/Hexestrol (DES/HES)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Diethylstilbestrol/Hexestrol (DES/HES)], Diethylstilbestrol/Hexestrol (DES/HES) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in DES/HES level test of Hormone disorders (Food safety) and related syndrome evaluation.	GMP-SMT-DES/HES-Ab01: Anti-Diethylstilbestrol/Hexestrol (DES/HES) mouse monoclonal antibody(mAb)	Human Diethylstilbestrol/Hexestrol (DES/HES) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in DES/HES level test of Hormone disorders (Food safety) and related syndrome evaluation.	

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Bisphenol A

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-Bisphenol A	Human	Bisphenol A	Toxicity, mutagen and carcinogen	GMP-SMT-Bisphenol A-Ag01: BSA-Bisphenol A; GMP-SMT-Bisphenol A-Ag02: OVA-Bisphenol A	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Bisphenol A], Bisphenol A antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Bisphenol A level test of Hormone disorders (Toxicity, mutagen and carcinogen) and related syndrome evaluation.	GMP-SMT-Bisphenol A-Ab01: Anti-Bisphenol A mouse monoclonal antibody(mAb)	Human Bisphenol A binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Bisphenol A level test of Hormone disorders (Toxicity, mutagen and carcinogen) and related syndrome evaluation.	


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Thyroxin T4

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-Thyroxin T4	Human	Thyroxin T4	hyperthyroidism	GMP-SMT-Thyroxin T4-Ag01: BSA-Thyroxin T4; GMP-SMT-Thyroxin T4-Ag02: OVA-Thyroxin T4	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Thyroxin T4], Thyroxin T4 antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Thyroxin T4 level test of Hormone disorders (hyperthyroidism) and related syndrome evaluation.	GMP-SMT-Thyroxin T4-Ab01: Anti-Thyroxin T4 mouse monoclonal antibody(mAb)	Human Thyroxin T4 binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Thyroxin T4 level test of Hormone disorders (hyperthyroidism) and related syndrome evaluation.	


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Forchlorfenuron

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-Forchlorfenuron	Human	Forchlorfenuron	food safety	GMP-SMT-Forchlorfenuron-Ag01: BSA-Forchlorfenuron; GMP-SMT-Forchlorfenuron-Ag02: OVA-Forchlorfenuron	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Forchlorfenuron], Forchlorfenuron antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Forchlorfenuron level test of Hormone disorders (food safety) and related syndrome evaluation.	GMP-SMT-Forchlorfenuron-Ab01: Anti-Forchlorfenuron mouse monoclonal antibody(mAb)	Human Forchlorfenuron binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Forchlorfenuron level test of Hormone disorders (food safety) and related syndrome evaluation.	

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Norethisterone

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-Norethisterone	Human	Norethisterone	breast cancer	GMP-SMT-Norethisterone-Ag01: BSA-Norethisterone; GMP-SMT-Norethisterone-Ag02: OVA-Norethisterone	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Norethisterone], Norethisterone antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Norethisterone level test of Hormone disorders (breast cancer) and related syndrome evaluation.	GMP-SMT-Norethisterone-Ab01: Anti-Norethisterone mouse monoclonal antibody(mAb)	Human Norethisterone binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Norethisterone level test of Hormone disorders (breast cancer) and related syndrome evaluation.	

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Flugestone Acetate

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-Flugestone Acetate	Human	Flugestone Acetate		GMP-SMT-Flugestone Acetate-Ag01: BSA-Flugestone Acetate; GMP-SMT-Flugestone Acetate-Ag02: OVA-Flugestone Acetate	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Flugestone Acetate], Flugestone Acetate antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Flugestone Acetate level test of Hormone disorders and related syndrome evaluation.	GMP-SMT-Flugestone Acetate-Ab01: Anti-Flugestone Acetate mouse monoclonal antibody(mAb)	Human Flugestone Acetate binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Flugestone Acetate level test of Hormone disorders and related syndrome evaluation.	

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Thyroxin T3

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-Thyroxin T3	Human	Thyroxin T3	hyperthyroidism and hypopituitarism	GMP-SMT-Thyroxin T3-Ag01: BSA-Thyroxin T3; GMP-SMT-Thyroxin T3-Ag02: OVA-Thyroxin T3	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Thyroxin T3], Thyroxin T3 antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Thyroxin T3 level test of Hormone disorders (hyperthyroidism and hypopituitarism) and related syndrome evaluation.	GMP-SMT-Thyroxin T3-Ab01: Anti-Thyroxin T3 mouse monoclonal antibody(mAb)	Human Thyroxin T3 binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Thyroxin T3 level test of Hormone disorders (hyperthyroidism and hypopituitarism) and related syndrome evaluation.	

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Insulin-like growth factor binding protein 1 (IGFBP-1)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-IGFBP-1	Human	Insulin-like growth factor binding protein 1 (IGFBP-1)	Pregnancy	GMP-SMT-IGFBP-1-Ag01: BSA-Insulin-like growth factor binding protein 1 (IGFBP-1); GMP-SMT-IGFBP-1-Ag02: OVA-Insulin-like growth factor binding protein 1 (IGFBP-1)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Insulin-like growth factor binding protein 1 (IGFBP-1)], Insulin-like growth factor binding protein 1 (IGFBP-1) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in IGFBP-1 level test of Hormone disorders (Pregnancy) and related syndrome evaluation.	GMP-SMT-IGFBP-1-Ab01: Anti-Insulin-like growth factor binding protein 1 (IGFBP-1) mouse monoclonal antibody(mAb)	Human Insulin-like growth factor binding protein 1 (IGFBP-1) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in IGFBP-1 level test of Hormone disorders (Pregnancy) and related syndrome evaluation.	


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adrenocorticotrophic hormone (ACTH)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-ACTH	Human	adrenocorticotrophic hormone (ACTH)	pituitary or adrenal malfunction, pituitary tumor, adrenal tumor, lung tumor	GMP-h-ACTH-Ag01: Recombinant human ACTH Protein	adrenocorticotrophic hormone (ACTH) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in ACTH level test of Hormone disorders (pituitary or adrenal malfunction, pituitary tumor, adrenal tumor, lung tumor) and related syndrome evaluation.	GMP-h-ACTH-Ab01; GMP-h-ACTH-Ab02: Anti-human ACTH mouse monoclonal antibody(mAb)	Human adrenocorticotrophic hormone (ACTH) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other adrenocorticotrophic hormone (ACTH) antibodies in ACTH level test of Hormone disorders (pituitary or adrenal malfunction, pituitary tumor, adrenal tumor, lung tumor) and related syndrome evaluation.	


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parathyroid hormone (PTH)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-PTH	Human	parathyroid hormone (PTH)	Hyperparathyroidism	GMP-h-PTH-Ag01: Recombinant human PTH Protein	parathyroid hormone (PTH) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in PTH level test of Hormone disorders(Hyperparathyroidism) and related syndrome evaluation.	GMP-h-PTH-Ab01; GMP-h-PTH-Ab02: Anti-human PTH mouse monoclonal antibody(mAb)	Human parathyroid hormone (PTH) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other parathyroid hormone (PTH) antibodies in PTH level test of Hormone disorders (Hyperparathyroidism) and related syndrome evaluation.	


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Thyroid Binding Globulin (TBG)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-TBG	Human	Thyroid Binding Globulin (TBG)	hypothyroidism, liver disease, and pregnancy	GMP-SMT-TBG-Ag01: BSA-Thyroid Binding Globulin (TBG); GMP-SMT-TBG-Ag02: OVA-Thyroid Binding Globulin (TBG)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Thyroid Binding Globulin (TBG)], Thyroid Binding Globulin (TBG) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in TBG level test of Hormone disorders (hypothyroidism, liver disease, and pregnancy) and related syndrome evaluation.	GMP-SMT-TBG-Ab01: Anti-Thyroid Binding Globulin (TBG) mouse monoclonal antibody(mAb)	Human Thyroid Binding Globulin (TBG) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in TBG level test of Hormone disorders (hypothyroidism, liver disease, and pregnancy) and related syndrome evaluation.	

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follicle stimulating hormone (FSH)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-FSH	Human	follicle stimulating hormone (FSH)	hypergonadotrophic-hypogonadism and infertility	GMP-SMT-FSH-Ag01: BSA-follicle stimulating hormone (FSH); GMP-SMT-FSH-Ag02: OVA-follicle stimulating hormone (FSH)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-follicle stimulating hormone (FSH)], follicle stimulating hormone (FSH) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in FSH level test of Hormone disorders (hypergonadotrophic-hypogonadism and infertility) and related syndrome evaluation.	GMP-SMT-FSH-Ab01: Anti-follicle stimulating hormone (FSH) mouse monoclonal antibody(mAb)	Human follicle stimulating hormone (FSH) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in FSH level test of Hormone disorders (hypergonadotrophic-hypogonadism and infertility) and related syndrome evaluation.	

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Diagnostic antibodies and antigens for Vitamin deficiency testing: folic acid (FA), vitamin D binding protein (VDBP)

Vitamin deficiency is the condition of a long-term lack of a vitamin. Vitamin deficiency caused by insufficient intake of vitamin is classified as a primary deficiency, whereas vitamin deficiency due to an underlying disorder such as malabsorption is called as a secondary deficiency. Vitamin deficiencies can be detected in several ways. GENEMEDI produces core diagnostic ingredients such as folic acid, vitamin D binding protein and so on to test vitamin deficiency using ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT Kit.

Classification: FA VDBP


folic acid (FA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-FA	Human	folic acid (FA)	vitamin deficiency	GMP-SMT-FA-Ag01: BSA-folic acid (FA) GMP-SMT-FA-Ag02: OVA-folic acid (FA)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-folic acid (FA)], folic acid (FA) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in FA level test of Vitamin deficiency (vitamin deficiency) and related syndrome evaluation.	GMP-SMT-FA-Ab01: Anti-folic acid (FA) mouse monoclonal antibody(mAb)	Human folic acid (FA) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in FA level test of Vitamin deficiency (vitamin deficiency) and related syndrome evaluation.	

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vitamin D binding protein (VDBP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-VDBP	Human	vitamin D binding protein (VDBP)	liver failure, type I diabetes, cystic fibrosis	GMP-h-VDBP-Ag01: Recombinant human VDBP Protein	vitamin D binding protein (VDBP) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in VDBP level test of Vitamin deficiency(liver failure, type I diabetes, cystic fibrosis) and related syndrome evaluation.	GMP-h-VDBP-Ab01; GMP-h-VDBP-Ab02: Anti-human VDBP mouse monoclonal antibody(mAb)	Human vitamin D binding protein (VDBP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other vitamin D binding protein (VDBP) antibodies in VDBP level test of Vitamin deficiency (liver failure, type I diabetes, cystic fibrosis) and related syndrome evaluation.	


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Diagnostic antibodies and antigens for Fibrinogen disorders testing: Fibrinogen (FIB)

Fibrinogen disorders are a set of hereditary or acquired abnormalities in the quantity and/or quality of circulating fibrinogens. The disorders may lead to pathological bleeding and/or blood clotting or the deposition of fibrinogen in the liver, kidneys, or other organs and tissues. These disorders include Congenital afibrinogenemia, Congenital hypofibrinogenemia, Fibrinogen storage disease, Congenital dysfibrinogenemia, Hereditary fibrinogen A α -Chain amyloidosis, Acquired dysfibrinogenemia, Congenital hypo dysfibrinogenemia and Cryofibrinogenemia. The detection of fibrinogen and so on are used to diagnose the fibrinogen disorders. However, the detection of these marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.

Classification: FIBRINOGEN (FIB)

Fibrinogen (FIB)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-FIB	Human	Fibrinogen (FIB)	congenital afibrinogenemia, congenital hypofibrinogenemia, fibrinogen storage disease, congenital dysfibrinogenemia, hereditary fibrinogen A α -Chain amyloidosis, acquired dysfibrinogenemia, congenital hypodysfibrinogenemia, and cryofibrinogenemia	GMP-h-FIB-Ag01: Recombinant human FIB Protein	Fibrinogen (FIB) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in FIB level test of Fibrinogen disorders(congenital afibrinogenemia, congenital hypofibrinogenemia, fibrinogen storage disease, congenital dysfibrinogenemia, hereditary fibrinogen A α -Chain amyloidosis, acquired dysfibrinogenemia, congenital hypodysfibrinogenemia, and cryofibrinogenemia) and related syndrome evaluation.	GMP-h-FIB-Ab01; GMP-h-FIB-Ab02: Anti-human FIB mouse monoclonal antibody(mAb)	Human Fibrinogen (FIB) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Fibrinogen (FIB) antibodies in FIB level test of Fibrinogen disorders (congenital afibrinogenemia, congenital hypofibrinogenemia, fibrinogen storage disease, congenital dysfibrinogenemia, hereditary fibrinogen A α -Chain amyloidosis, acquired dysfibrinogenemia, congenital hypodysfibrinogenemia, and cryofibrinogenemia) and related syndrome evaluation.	

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Diagnostic antibodies and antigens for Neurodegenerative diseases testing: Phospho-tau181 (p-tau181), Phospho-tau217 (p-tau217), tau proteins (Tau), neurofilament light chain (NFL), neurofilament protein (AD7c-NTP)

Neurodegenerative diseases refer to the injury or dysfunction of one or more nerves, which results in numbness, tingling, muscle weakness and discomfort in the nerves affected part. Neurodegenerative diseases often arise from the hands and feet, sometimes other parts of the body also affected. Peripheral neuropathy refers the injury or dysfunction of the peripheral nerves. Peripheral neuropathy might be acute or chronic, and sometimes it is reversible. Neurodegenerative diseases induce a series of complications in the health and

develop the symptoms of those issues. Biochemical markers are increasingly used for the early diagnosis of the neuropathy. In addition, such markers may provide additional information for understanding the pathology of disease. Several markers such as a Phospho-tau181, Phospho-tau217, tau proteins, neurofilament light chain, neurofilament protein and so on have been identified to be associated with the neurodegenerative diseases. Detecting the quantity of these marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.


Classification: P-TAU181 P-TAU217 TAU NFL AD7C-NTP

Phospho-tau181 (p-tau181)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-p-tau181	Human	Phospho-tau181 (p-tau181)	Alzheimer Disease(AD)	GMP-h-p-tau181-Ag01: Recombinant human p-tau181 Protein	Phospho-tau181 (p-tau181) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in p-tau181 level test of Neurodegenerative diseases(Alzheimer Disease(AD)) and related syndrome evaluation.	GMP-h-p-tau181-Ab01; GMP-h-p-tau181-Ab02: Anti-human p-tau181 mouse monoclonal antibody(mAb)	Human Phospho-tau181 (p-tau181) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Phospho-tau181 (p-tau181) antibodies in p-tau181 level test of Neurodegenerative diseases (Alzheimer Disease(AD)) and related syndrome evaluation.	


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Phospho-tau217 (p-tau217)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-p-tau217	Human	Phospho-tau217 (p-tau217)	Alzheimer Disease(AD)	GMP-h-p-tau217-Ag01: Recombinant human p-tau217 Protein	Phospho-tau217 (p-tau217) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in p-tau217 level test of Neurodegenerative diseases(Alzheimer Disease(AD)) and related syndrome evaluation.	GMP-h-p-tau217-Ab01; GMP-h-p-tau217-Ab02: Anti-human p-tau217 mouse monoclonal antibody(mAb)	Human Phospho-tau217 (p-tau217) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Phospho-tau217 (p-tau217) antibodies in p-tau217 level test of Neurodegenerative diseases (Alzheimer Disease(AD)) and related syndrome evaluation.	


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tau proteins (Tau)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-Tau	Human	tau proteins (Tau)	Alzheimer's disease	GMP-h-Tau-Ag01: Recombinant human Tau Protein	tau proteins (Tau) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in Tau level test of Neurodegenerative diseases(Alzheimer's disease) and related syndrome evaluation.	GMP-h-Tau-Ab01; GMP-h-Tau-Ab02: Anti-human Tau mouse monoclonal antibody(mAb)	Human tau proteins (Tau) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other tau proteins (Tau) antibodies in Tau level test of Neurodegenerative diseases (Alzheimer's disease) and related syndrome evaluation.	


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neurofilament light chain (NFL)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-NFL	Human	neurofilament light chain (NFL)	neurodegenerative diseases	GMP-h-NFL-Ag01: Recombinant human NFL Protein	neurofilament light chain (NFL) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in NFL level test of Neurodegenerative diseases(neurodegenerative diseases) and related syndrome evaluation.	GMP-h-NFL-Ab01; GMP-h-NFL-Ab02: Anti-human NFL mouse monoclonal antibody(mAb)	Human neurofilament light chain (NFL) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other neurofilament light chain (NFL) antibodies in NFL level test of Neurodegenerative diseases (neurodegenerative diseases) and related syndrome evaluation.	

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neurofilament protein (AD7c-NTP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-AD7c-NTP	Human	neurofilament protein (AD7c-NTP)	amyotrophic lateral sclerosis, Parkinson, Alzheimer, and Charcot-Marie-Tooth	GMP-h-AD7c-NTP-Ag01: Recombinant human AD7c-NTP Protein	neurofilament protein (AD7c-NTP) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in AD7c-NTP level test of Neurodegenerative diseases(amyotrophic lateral sclerosis, Parkinson, Alzheimer, and Charcot-Marie-Tooth) and related syndrome evaluation.	GMP-h-AD7c-NTP-Ab01; GMP-h-AD7c-NTP-Ab02: Anti-human AD7c-NTP mouse monoclonal antibody(mAb)	Human neurofilament protein (AD7c-NTP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other neurofilament protein (AD7c-NTP) antibodies in AD7c-NTP level test of Neurodegenerative diseases (amyotrophic lateral sclerosis, Parkinson, Alzheimer, and Charcot-Marie-Tooth) and related syndrome evaluation.	


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Diagnostic antibodies and antigens for Epilepsy-related valproate (VPA) toxicity testing: Sodium valproate (VPA)

Valproate is a commonly used antiepileptic drug for the treatment of epilepsy and seizures. It is safe for use in both adults and children more than three years of age. Valproate toxicity can occur both accidentally and intentionally. Acute valproate overdose usually presents with CNS depression/encephalopathy, electrolyte abnormalities such as hypernatremia, elevated transaminase levels, hyperammonemia, and hepatotoxicity. In patients with a severe overdose of valproate, patients can present with hypotension, tachycardia, respiratory depression, metabolic acidosis, cerebral edema, and valproate-related hyperammonemic encephalopathy which may progress to coma and death. GENEMEDI developed the Gastrin-17 (G-17) antigens and antibodies for the diagnosis of valproate toxicity based on ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.

Classification: VPA

Sodium valproate (VPA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-VPA	Human	Sodium valproate (VPA)	toxicity	GMP-SMT-VPA-Ag01: BSA-Sodium valproate (VPA); GMP-SMT-VPA-Ag02: OVA-Sodium valproate (VPA):	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Sodium valproate (VPA)], Sodium valproate (VPA) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in VPA level test of Epilepsy (toxicity) and related syndrome evaluation.	GMP-SMT-VPA-Ab01: Anti-Sodium valproate (VPA) mouse monoclonal antibody(mAb)	Human Sodium valproate (VPA) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in VPA level test of Epilepsy (toxicity) and related syndrome evaluation.	


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Diagnostic antibodies and antigens for pain-related acetaminophen (Paracetamol) toxicity testing

Acetaminophen is known as paracetamol in many countries outside the US. It is one of the most frequently used oral analgesics and antipyretics. It has an outstanding safety profile when administered in an appropriate dose, but hepatotoxicity can occur after overdose or when misused in at-risk populations. GENEMEDI developed the antigens and antibodies for the diagnosis of potential acetaminophen toxicity based on ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.

Classification: PARACETAMOL

acetaminophen (Paracetamol)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-Paracetamol	Human	acetaminophen (Paracetamol)	hepatotoxicity	GMP-SMT-Paracetamol-Ag01: BSA-acetaminophen (Paracetamol); GMP-SMT-Paracetamol-Ag02: OVA-acetaminophen (Paracetamol)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-acetaminophen (Paracetamol)], acetaminophen (Paracetamol) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Paracetamol level test of Pain (hepatotoxicity) and related syndrome evaluation.	GMP-SMT-Paracetamol-Ab01: Anti-acetaminophen (Paracetamol) mouse monoclonal antibody(mAb)	Human acetaminophen (Paracetamol) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Paracetamol level test of Pain (hepatotoxicity) and related syndrome evaluation.	


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Diagnostic antibodies and antigens for multiple disease testing: thioredoxin reductase (TrxR)

Thioredoxin (Trx) and thioredoxin reductase (TrxR) plus NADPH, comprising the thioredoxin system, has a large number of functions in DNA synthesis, defense against oxidative stress and apoptosis or redox signaling with reference to many diseases such as cancer, viral disease, ischaemia– reperfusion injury, cardiac conditions, aging, premature birth and newborn physiology. GENEMEDI produces core diagnostic ingredients such as thioredoxin reductase and so on to test multiple disorders using ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT Kit.

Classification: **TRXR**

thioredoxin reductase (TrxR)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-TrxR	Human	thioredoxin reductase (TrxR)	cancer, viral disease, ischaemia– reperfusion injury, cardiac conditions, aging, premature birth	GMP-h-TrxR-Ag01: Recombinant human TrxR Protein	thioredoxin reductase (TrxR) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in TrxR level test of Multiple disease(cancer, viral disease, ischaemia– reperfusion injury, cardiac conditions, aging, premature birth) and related syndrome evaluation.	GMP-h-TrxR-Ab01 GMP-h-TrxR-Ab02: Anti-human TrxR mouse monoclonal antibody(mAb)	Human thioredoxin reductase (TrxR) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other thioredoxin reductase (TrxR) antibodies in TrxR level test of Multiple disease (cancer, viral disease, ischaemia– reperfusion injury, cardiac conditions, aging, premature birth) and related syndrome evaluation.	


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Diagnostic antibodies and antigens for biologics testing: Streptavidin (SA), Staphylococcus protein A (SPA)

The biological agent such as streptavidin and staphylococcus protein A have an important role in biochemical research because of its ability to bind biotin and immunoglobulins respectively. GENEMEDI produces core diagnostic ingredients such as streptavidin, staphylococcus protein A and so on for the biochemical research.


Classification: **SA SPA**

Streptavidin (SA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-SA	Human	Streptavidin (SA)	NA	GMP-SMT-SA-Ag01: BSA-Streptavidin (SA); GMP-SMT-SA-Ag02: OVA-Streptavidin (SA)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Streptavidin (SA)], Streptavidin (SA) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in SA level test of Biology and related syndrome evaluation.	GMP-SMT-SA-Ab01: Anti-Streptavidin (SA) mouse monoclonal antibody(mAb)	Human Streptavidin (SA) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in SA level test of Biology and related syndrome evaluation.	

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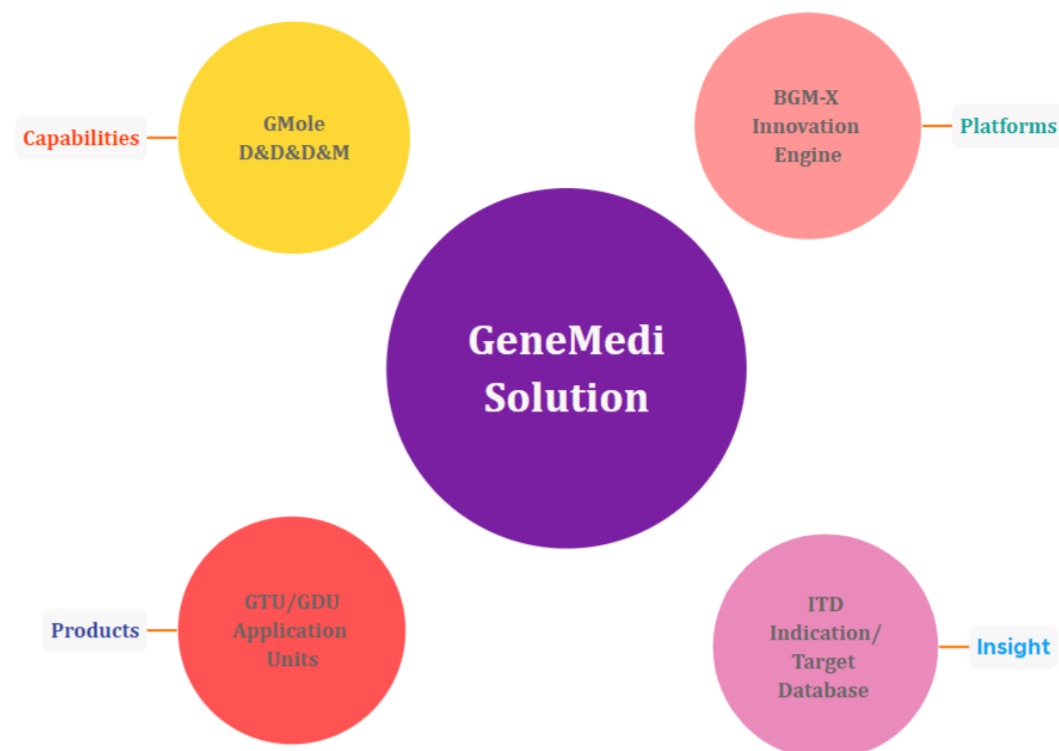
Staphylococcus protein A (SPA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-SPA	Human	Staphylococcus protein A (SPA)	N/A	GMP-h-SPA-Ag01: Recombinant human SPA Protein	Staphylococcus protein A (SPA) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in SPA level test of Biology(N/A) and related syndrome evaluation.	GMP-h-SPA-Ab01; GMP-h-SPA-Ab02: Anti-human SPA mouse monoclonal antibody(mAb)	Human Staphylococcus protein A (SPA) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Staphylococcus protein A (SPA) antibodies in SPA level test of Biology (N/A) and related syndrome evaluation.	

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About GeneMedi

We develop solutions for the therapeutics and diagnostics industry.



About GMole™

GMole-Innovative capabilities in molecular entity discovery and application development.

GMole is the capabilities derived from insight and expertise of Gene & Biologics molecular entity discovery and development. Our QbD process is combined and optimized with intelligent design, smart discovery, rational development, and State-of-the-Art manufacturing (D&D&M). Data management is separated independently for high-quality data certification. The modalities and facilities of GMole are including antibodies, recombinant protein, and multiple types of gene therapy vectors and delivery vehicles (AAV, lentivirus, virus-like particle(VLP), etc.).

About GTU&GDU

GTU&GDU, GeneMedi Therapeutics Unit & GeneMedi Diagnostics Unit, are GM's 2 unique product-solution units for the industry of therapeutics or diagnostics. Since the insight from GM's unique in-house database-GM target/biomarkers and diseases database, GM empowers self-capabilities for application development to develop more effective products and solutions to meet the needs of the therapeutics and diagnostics industry.



About GeneMedi ITD

ITD is GeneMedi's target-insight database that connects human indications/diseases/conditions with associated targets/biomarkers in diagnostics, therapeutics, and prognostics. ITD is a data-driven artificial intelligent system that learns from literature and in-house wet-dry exploration with closed-loop design. GeneMedi ITD target-insight system robustly improves the development efficiency for therapeutics and diagnostics industry solutions.

GeneMedi BGM-X™ Innovative Engine



With years of modalities discovery insight and expertise in the pharmaceutical industry, GeneMedi has developed innovative BGM-X™ Engine for big data-driven scientific discovery and industrial development in modalities of biologics and gene therapeutics.



TAURUS™ PLATFORM FOR DIFFICULT TARGETS ANTIBODY DISCOVERY

GeneMedi's Taurus™-Antibody Discovery Platform is to achieve **Tough Antigen Unique-epitope Recognized** with **Unque Smart-immunogen strategy**.

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LIBRA™-ANTIBODY ENGINEERING PLATFORM FOR ANTIBODY HUMANIZATION, MATURATION, AND RATIONAL EVOLUTION

LIBRA is developed with the characteristics: **Light, Intelligent, Balanced, Rational, and Algorithm-driven**.

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GeneMedi's **Novel Evolution-X** Technology for discovery of next generation of AAV. X refers to the exploring of AAV for more possibilities with GeneMedi's innovational strategies.

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