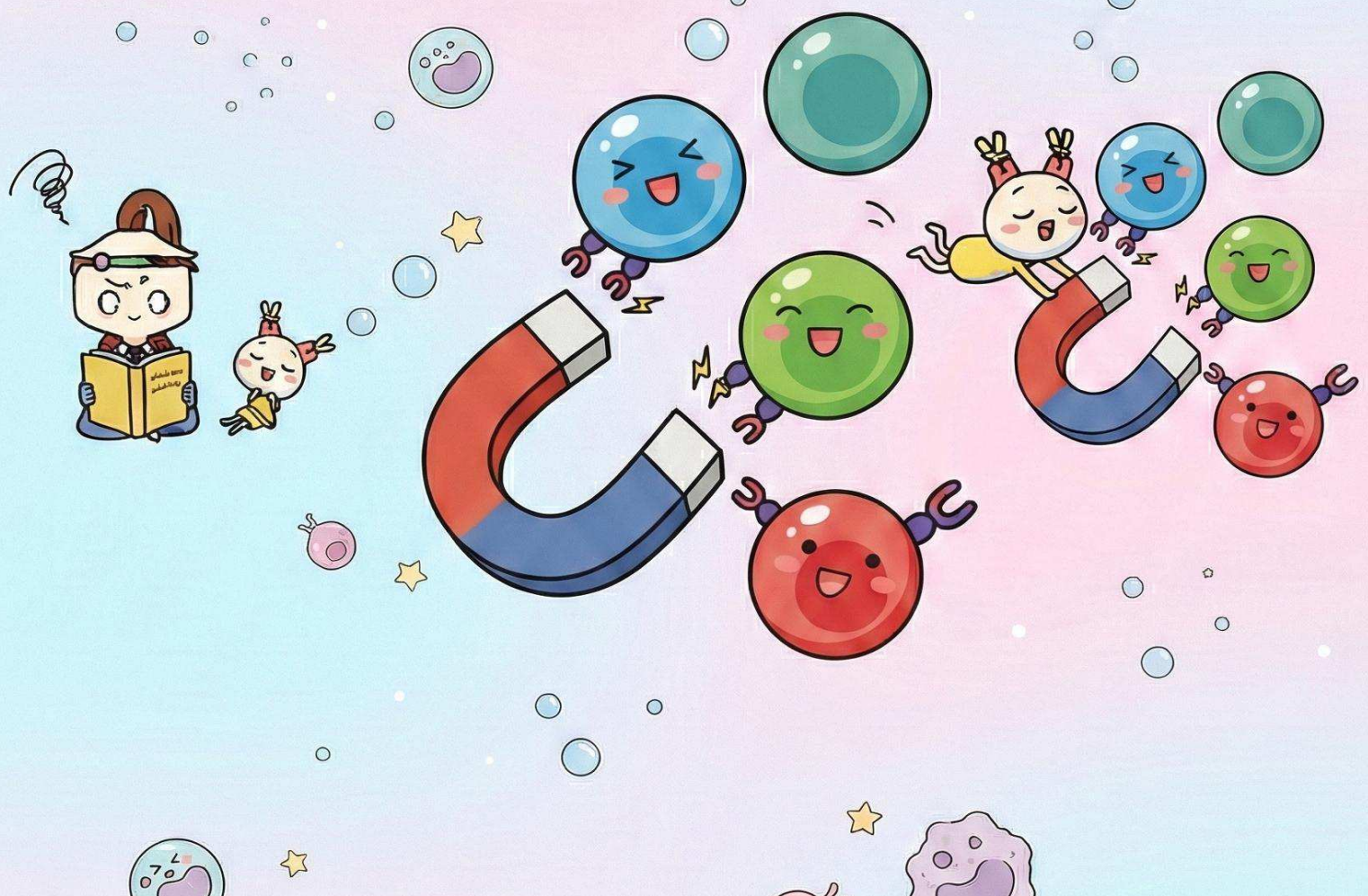


Advanced Solutions for Immunology & Cell Therapy

SOLIDEX® Cell Isolation & Flow Cytometry

CAR-X Engineering & Analytics Solution



GENEMEDI
Innovation In Gene Therapy & Biologics



Website: <https://www.genemedi.net>

Email: support@genemedi.net

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SOLIDEX®-CDEx Flow Cytometry Antibodies (Naked/PE/APC/FITC/Biotin)

Bioarkers: CD66b, CD34, CD14, CD19, CD3E, CD4, CD8, TCR $\alpha\beta$ (abT), CD138, CD45RA, CD45, CD16
PE/FITC/APC/Biotin-labeled anti-biotin monoclonal antibodies (mAb)

Part 2: CAR-X Engineering & Analytics Solution

CAR-X CAR-Analytical Tools

Anti-FMC63, Anti-G4S linker, Anti-VHH (Naked/PE/APC/FITC)

CAR-X Good-Validated Premade Lenti-CAR Particles

SOLIDEX®-ISOEx Cell Isolation Kit & Nanobeads

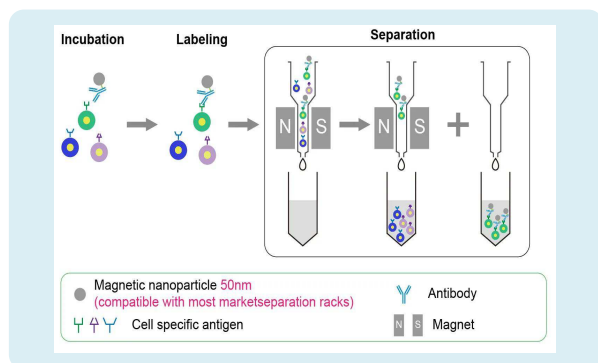
Dual-Platform Sorting Technology – Tailored to Your Experimental Needs



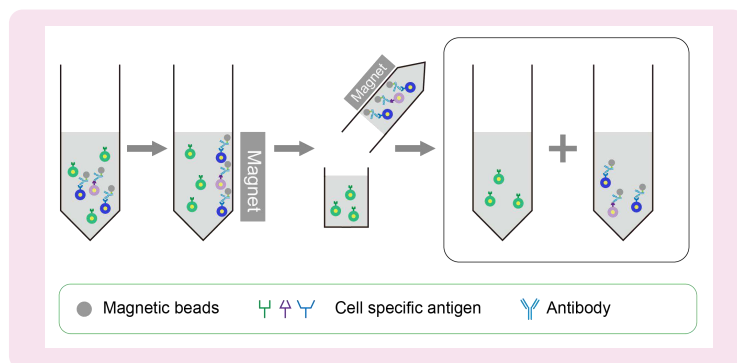
SOLIDEX®-ISOEx is specifically designed for high-standard industrial and scientific research, providing **highly efficient and damage-free isolation solutions for human immune cells.**

- ✓ **Dual Separation Formats:** Column-based & Column-free
- ✓ **Species:** Human & Mouse
- ✓ **Broad Immune Cell Coverage:** NK cells, CD3+ / CD4+ / CD8+ / TCRα/β T cells, CD14+ / CD34+ / CD45RA+ cells
- ✓ **Flexible Selection Strategies:** Positive selection / Negative selection (Untouched) / Depletion
- ✓ **Compatible Sample Types:** Complex samples such as whole blood and PBMCs
- ✓ **Key Advantages:** Efficiently isolates target cells or depletes unwanted cells

✓ Choose the separation workflow that best fits your experimental needs:



Column-based Magnetic Separation



Column-free Magnetic Separation

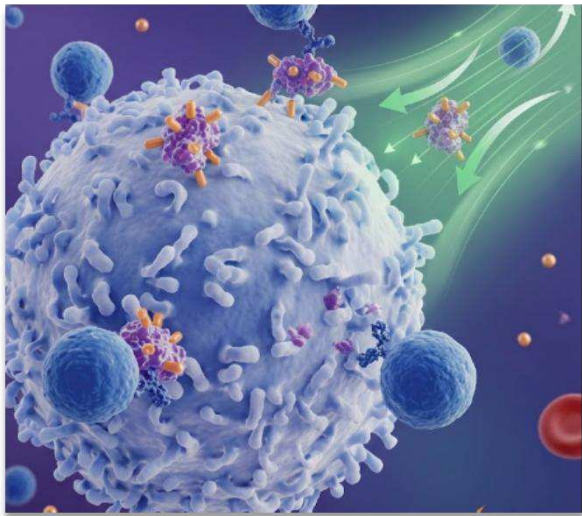
Category	Column-based	Column-free
Key Advantage	High purity and precise enrichment	Fast, simple, and scalable workflow
Operation	Structured, stepwise	Streamlined, easy-to-use
Throughput	Medium	Medium to high
Best For	Rare cells, high-purity needs	Routine isolation, fast processing
MagSuite	Column & Separator & Stand	Magnetic Sorter

Application

Specific Immune Cell Preparation | T-Cell Engagers (TCE) | NK Engagers | Cell & Gene Therapy (CGT) | Single-Cell Multi-Omics Analysis | Immunology Research | Anti-Biotin Nanobeads based Isolation of Rare Cells from Whole Blood (e.g., Circulating Tumor Cells (CTCs), Circulating Fetal Cells (CFCs))

SOLIDEX®-ISOEx Cell Isolation Kit & Nanobeads (Column-based)

50nm Nanobeads × Column | Golden Standard in the Purity and Yield of Cell Isolation



SOLIDEX®-ISOEx Column-based series is engineered for high-standard **industrial and research** applications, utilizing **50 nm superparamagnetic nanobeads dextran coated iron oxide** featuring superior biocompatibility and high-efficiency **column** magnetic separation technology.

GeneMedi offers a comprehensive solution for immune cell isolation, enabling isolation of target cells free of surface antibodies or magnetic nanobeads remnants.

SOLIDEX®-ISOEx Human Cell Isolation Kit & Nanobeads (Column-based)

Cell Type	Catalog No.	Product Name	Isolation Method
NK cells	GM-NK-Cell-iso-kit	SOLIDEX®-ISOEx Untouched Human NK Cell Isolation Kit (Column-based)	Negative selection
CD3+ T cells	GM-Pan-T-Cell-iso-kit	SOLIDEX®-ISOEx Untouched Human CD3+ Pan-T Cell Isolation Kit (Column-based)	Negative selection
CD4+ T cells	GM-CD4-T-Cell-iso-kit	SOLIDEX®-ISOEx Untouched Human CD4+ T Cell Isolation Kit (Column-based)	Negative selection
CD8+ T cells	GM-CD8-T-Cell-iso-kit	SOLIDEX®-ISOEx Untouched Human CD8+ T Cell Isolation Kit (Column-based)	Negative selection
CD14+ CD16-classical monocytes	GM-Tg-hg-T23212-iso-kit-1	SOLIDEX®-ISOEx Untouched Human Classical Monocyte Isolation Kit (Column-based)	Negative selection
CD3+ T cells	GM-Tg-hg-T87075-iso-nanoIMB	SOLIDEX®-ISOEx Human CD3 Isolation Nanobeads (Column-based)	Positive selection
CD4+ T cells	GM-Tg-hg-T10191-iso-nanoIMB	SOLIDEX®-ISOEx Human CD4 Isolation Nanobeads (Column-based)	Positive selection
CD8+ T cells	GM-Tg-hg-TA040-iso-nanoIMB	SOLIDEX®-ISOEx Human CD8 Isolation Nanobeads (Column-based)	Positive selection
CD14+ cells	GM-Tg-hg-T23212-iso-nanoIMB	SOLIDEX®-ISOEx Human CD14 Isolation Nanobeads (Column-based)	Positive selection
CD138+ cells	GM-Tg-hg-T13017-iso-nanoIMB-1	SOLIDEX®-ISOEx Human CD138 Isolation Nanobeads (Column-based)	Positive selection
CD34+ cells	GM-Tg-hg-T66426-iso-nanoIMB	SOLIDEX®-ISOEx Human CD34 Isolation Nanobeads (Column-based)	Positive selection
CD45RA+ cells	GM-Tg-hg-T43115-8-dep-nanoIMB	SOLIDEX®-ISOEx Human CD45RA+ Cell Depletion Nanobeads (Column-based)	Positive selection / Depletion
TCRα/β+ T cells	GM-Tg-hg-MP2610-dep-kit	SOLIDEX®-ISOEx Indirect Human TCRα/β+ T Cell Depletion Kit (Column-based)	Positive selection / Depletion
CD19+ B cells	GM-Tg-hg-T56365-dep-kit	SOLIDEX®-ISOEx Indirect Human CD19+ B Cell Depletion Kit (Column-based)	Positive selection / Depletion

Notes: The standard packaging for all kits and Nanobeads products is optimized for processing 1×10^6 , 1×10^9 total cells (For larger bulk sizes, please contact GeneMedi).



SOLIDEX®-ISOEx Mouse Cell Isolation Kit & Nanobeads (Column-based)

Cell Type	Catalog No.	Product Name	Isolation Method
CD3+ T cells	GM-Tg-mg-T87075-iso-nanoIMB	SOLIDEX®-ISOEx Mouse CD3 Isolation Nanobeads (Column-based)	Positive selection
CD8+ T cells	GM-Tg-mg-TA040-iso-nanoIMB	SOLIDEX®-ISOEx Mouse CD8 Isolation Nanobeads (Column-based)	Positive selection
F4/80+ cells	GM-Tg-mg-IO038-iso-nanoIMB	SOLIDEX®-ISOEx Mouse F4/80 Isolation Nanobeads (Column-based)	Positive selection
CD49b+ cells	GM-Tg-mg-T55293-iso-nanoIMB	SOLIDEX®-ISOEx Mouse CD49b Isolation Nanobeads (Column-based)	Positive selection
CD45+ cells	GM-Tg-mg-T43115-iso-nanoIMB	SOLIDEX®-ISOEx Mouse CD45 Isolation Nanobeads (Column-based)	Negative selection
CD3+ T cells	GM-mPan-T-Cell-iso-kit	SOLIDEX®-ISOEx Untouched Mouse Pan-T Cell Isolation Kit (Column-based)	Negative selection
CD4+ T cells	GM-mCD4-T-Cell-iso-kit	SOLIDEX®-ISOEx Untouched Mouse CD4+ T Cell Isolation Kit (Column-based)	Negative selection
Naïve CD8+ T cells	GM-mNaive-CD8-T-Cell-iso-kit	SOLIDEX®-ISOEx Untouched Mouse Naïve CD8+ T Cell Isolation Kit (Column-based)	Negative selection

SOLIDEX®-ISOEx Positive Selection (Column-based)

SOLIDEX®-ISOEx Human CD3 Isolation Nanobeads (Column-based)

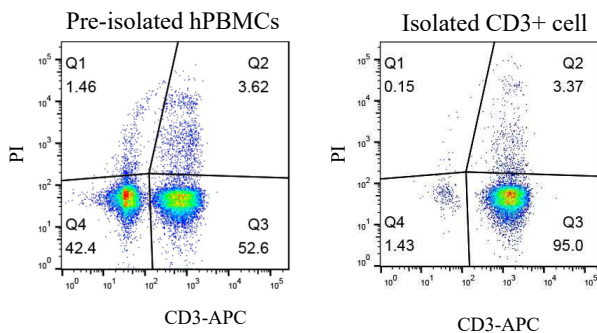


Figure 1. CD3+ T Cell purity increased from an initial 52.6% to 95.0% post-isolation.

SOLIDEX®-ISOEx Human CD4 Isolation Nanobeads (Column-based)

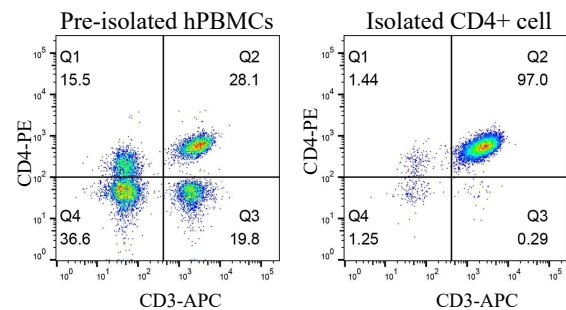


Figure 2. CD4+ T Cell purity increased from an initial 28.1% to 97.0% post-isolation.

SOLIDEX®-ISOEx Human CD8 Isolation Nanobeads (Column-based)

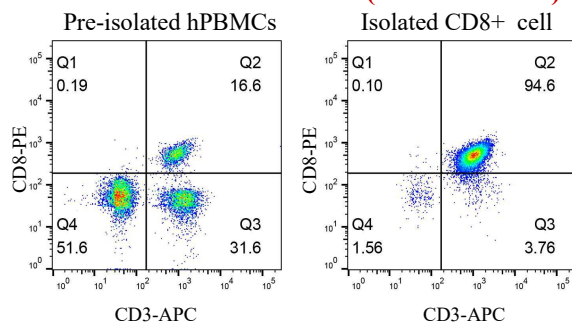


Figure 3. CD8+ T Cell purity increased from an initial 16.6% to 94.6% post-isolation.

SOLIDEX®-ISOEx Human CD14 Isolation Nanobeads (Column-based)

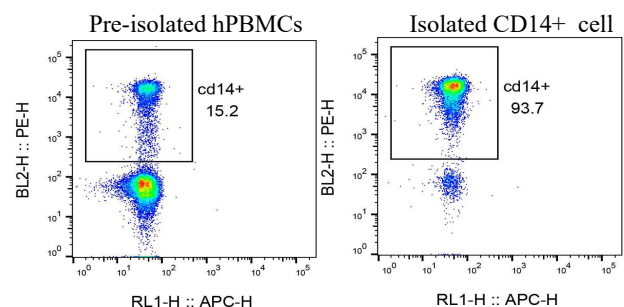


Figure 4. CD14+ Cell purity increased from an initial 15.2% to 93.7% post-isolation.

SOLIDEX®-ISOEx Negative Selection (Column-based)

SOLIDEX®-ISOEx Untouched Human NK Cell Isolation Kit (Column-based)

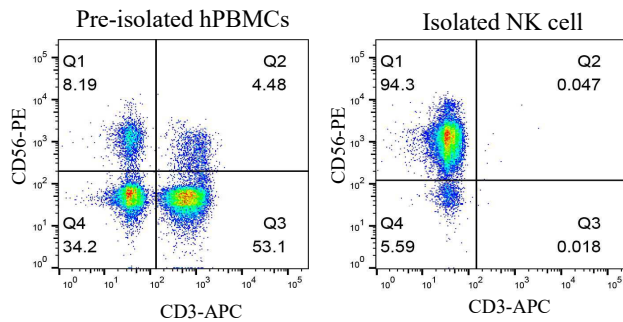


Figure 1. CD56+ NK Cell purity increased from an initial 8.19% to 94.3% post-isolation.

SOLIDEX®-ISOEx Untouched Human CD3+ Pan-T Cell Isolation Kit (Column-based)

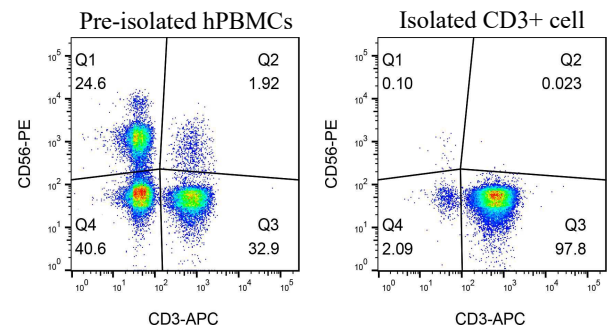


Figure 2. CD3+ T Cell purity increased from an initial 32.9% to 97.8% post-isolation.

SOLIDEX®-ISOEx Untouched Human CD4+ T Cell Isolation Kit (Column-based)

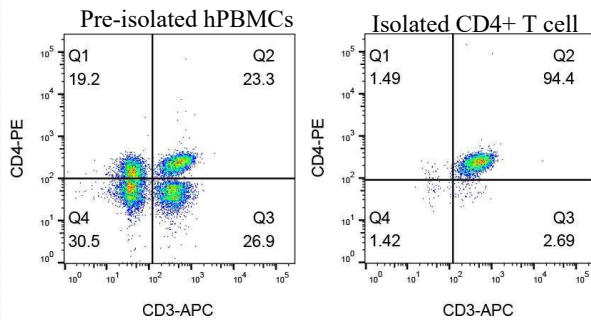


Figure 3. CD4+ T Cell purity increased from an initial 23.3% to 94.4% post-isolation.

SOLIDEX®-ISOEx Untouched Human CD8+ T Cell Isolation Kit (Column-based)

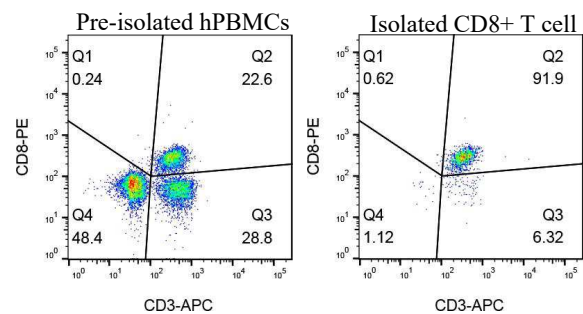


Figure 4. CD8+ T Cell purity increased from an initial 22.6% to 91.9% post-isolation.

SOLIDEX®-ISOEx Untouched Human Classical Monocyte Isolation Kit (Column-based)

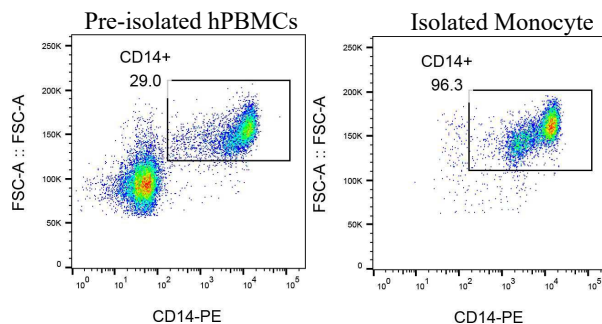


Figure 5. Monocyte purity increased from an initial 29.0% to 96.3% post isolation.

SOLIDEX®-ISOEx Depletion Kits Efficiently Remove Non-Target Cells (Column-based)

SOLIDEX®-ISOEx Indirect Human TCR α/β + T Cell Depletion Kit (Column-based)

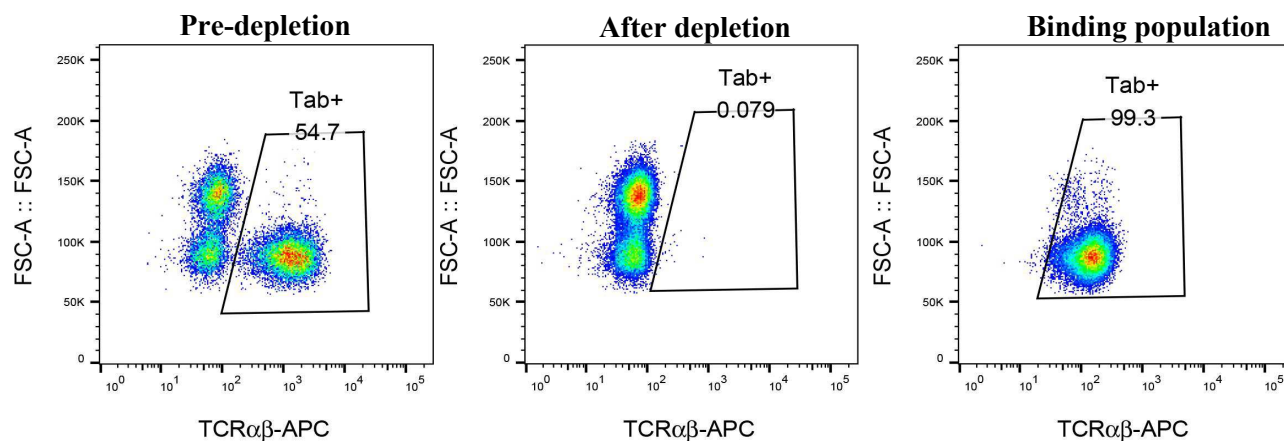


Figure 1. The proportion of TCR α/β + T cells was 54.7% pre-depletion and decreased to 0.079% after depletion. Notably, 99.3% of the TCR α/β + T cells were successfully captured by the column and recovered in the elution fraction.

SOLIDEX®-ISOEx Indirect Human CD19+ B Cell Depletion Kit (Column-based)

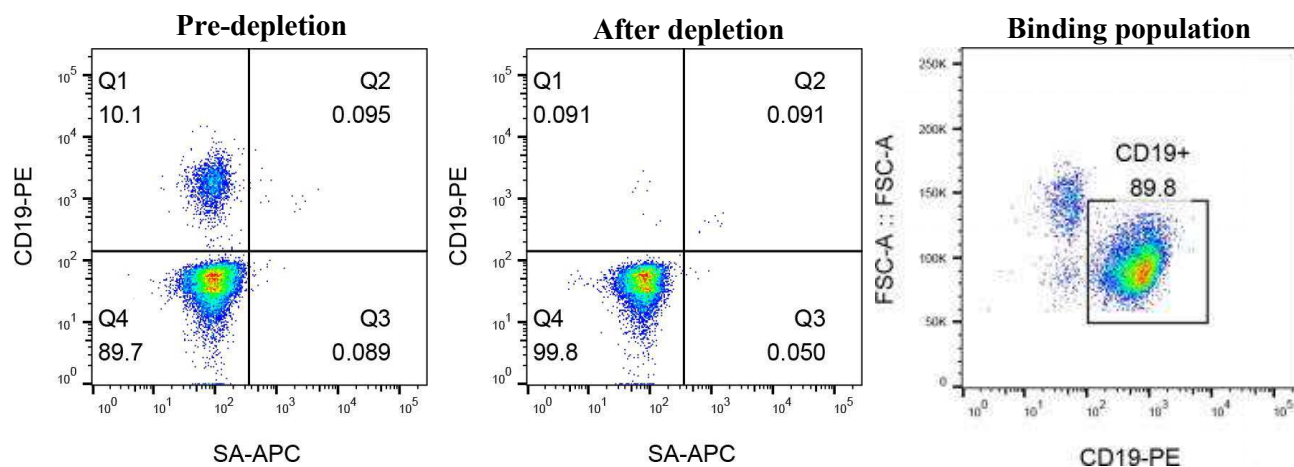


Figure 2. The proportion of CD19+ B cells in the sample decreased from 10.1% (pre-depletion) to 0.091% after depletion.

SOLIDEX®-ISOEx Cell Isolation Kit & Nanobeads (Column-free)

Zero Column — Experience Speed & Simplicity with True Column-free Isolation



The SOLIDEX®-ISOEx **Column-free** series is engineered for high-standard industrial and research applications, utilizing superparamagnetic **dextran-coated iron oxide nanobeads** with superior biocompatibility and an efficient column-free magnetic separation workflow.

GeneMedi provides a **fast, flexible, and reliable solution** for immune cell isolation, enabling efficient cell separation and delivering target cells suitable for a wide range of downstream applications.

SOLIDEX®-ISOEx Human Cell Isolation Kit & Nanobeads (Column-free)

Cell Type	Catalog No.	Product Name	Isolation Method
NK cells	GM-NK-Cell-iso-kit-CF	SOLIDEX®-ISOEx Untouched Human NK Cell Isolation Kit (Column-free)	Negative selection
CD3+ T cells	GM-Pan-T-Cell-iso-kit-CF	SOLIDEX®-ISOEx Untouched Human CD3+ Pan-T Cell Isolation Kit (Column-free)	Negative selection
CD4+ T cells	GM-CD4-T-Cell-iso-kit-CF	SOLIDEX®-ISOEx Untouched Human CD4+ T Cell Isolation Kit (Column-free)	Negative selection
CD8+ T cells	GM-CD8-T-Cell-iso-kit-CF	SOLIDEX®-ISOEx Untouched Human CD8+ T Cell Isolation Kit (Column-free)	Negative selection
CD14+ CD16-classical monocytes	GM-Tg-hg-T23212-iso-kit-CF-1	SOLIDEX®-ISOEx Untouched Human Classical Monocyte Isolation Kit (Column-free)	Negative selection

SOLIDEX®-ISOEx Mouse Cell Isolation Kit & Nanobeads (Column-free)

Cell Type	Catalog No.	Product Name	Isolation Method
CD3+ T cells	GM-mPan-T-Cell-iso-kit-CF	SOLIDEX®-ISOEx Untouched Mouse Pan-T Cell Isolation Kit (Column-free)	Negative selection
CD4+ T cells	GM-mCD4-T-Cell-iso-kit-CF	SOLIDEX®-ISOEx Untouched Mouse CD4+ T Cell Isolation Kit (Column-free)	Negative selection
Naïve CD4+ T cells	GM-mNaïve-CD4-T-Cell-iso-kit-CF	SOLIDEX®-ISOEx Untouched Mouse Naïve CD4+ T Cell Isolation Kit (Column-free)	Negative selection
CD8+ T cells	GM-mCD8-T-Cell-iso-kit-CF	SOLIDEX®-ISOEx Untouched Mouse CD8+ T Cell Isolation Kit (Column-free)	Negative selection
Naïve CD8+ T cells	GM-mNaïve-CD8-T-Cell-iso-kit-CF	SOLIDEX®-ISOEx Untouched Mouse Naïve CD8+ T Cell Isolation Kit (Column-free)	Negative selection

Notes: The standard packaging for all kits and Nanobeads products is optimized for processing 1×10^8 , 1×10^9 total cells (For larger bulk sizes, please contact GeneMedi).

SOLIDEX®-ISOEx Negative Selection (Column-free)

SOLIDEX®-ISOEx Untouched Human NK Cell Isolation Kit (Column-free)

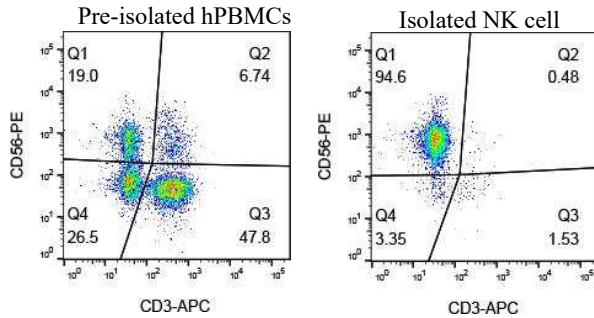


Figure 1. CD56+ NK Cell purity increased from an initial 19.0% to 94.6% post-isolation.

SOLIDEX®-ISOEx Untouched Human Pan-T Cell Isolation Kit (Column-free)

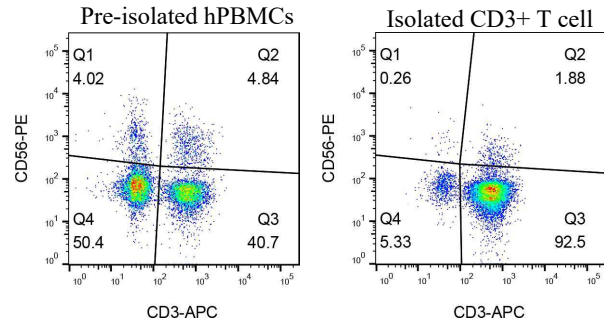


Figure 2. CD3+ T Cell purity increased from an initial 40.7% to 92.5% post-isolation.

SOLIDEX®-ISOEx Untouched Human CD4+ T Cell Isolation Kit (Column-free)

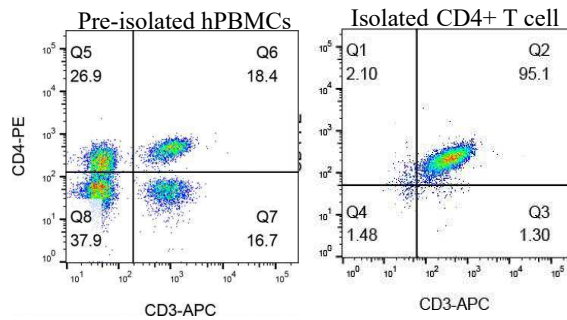


Figure 3. CD4+ T Cell purity increased from an initial 18.4% to 95.1% post-isolation.

SOLIDEX®-ISOEx Untouched Human CD8+ T Cell Isolation Kit (Column-free)

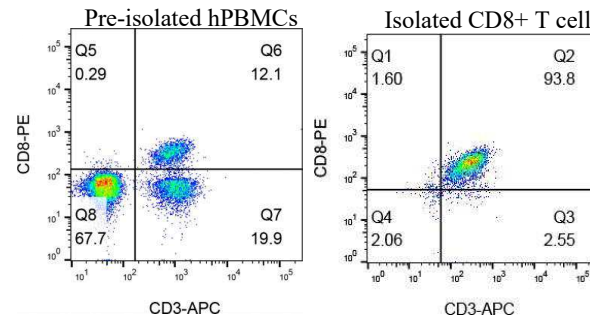
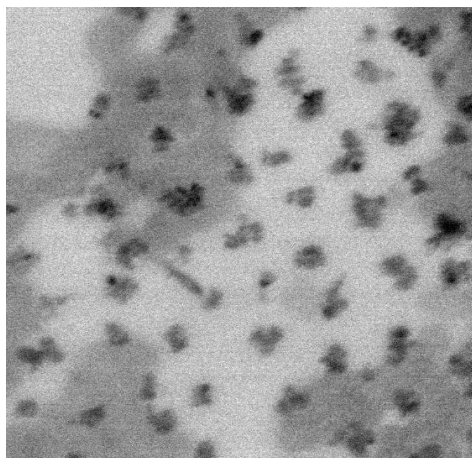


Figure 4. CD8+ T Cell purity increased from an initial 12.1% to 93.8% post-isolation.

SOLIDEX®-ISOEx Universal Nanobeads

Company M's magnetic nanobeads



GeneMedi's SOLIDEX®-ISOEx Nanobeads

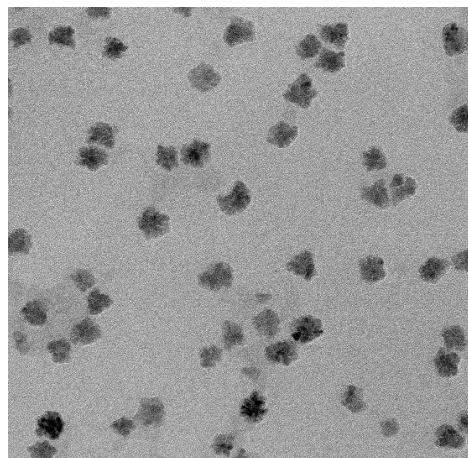


Figure 1. GeneMedi SOLIDEX®-ISOEx Nanobeads (Column-Based) exhibit uniform size and regular shape.

SOLIDEX®-ISOEx Anti-Biotin Nanobeads (Column-Based)

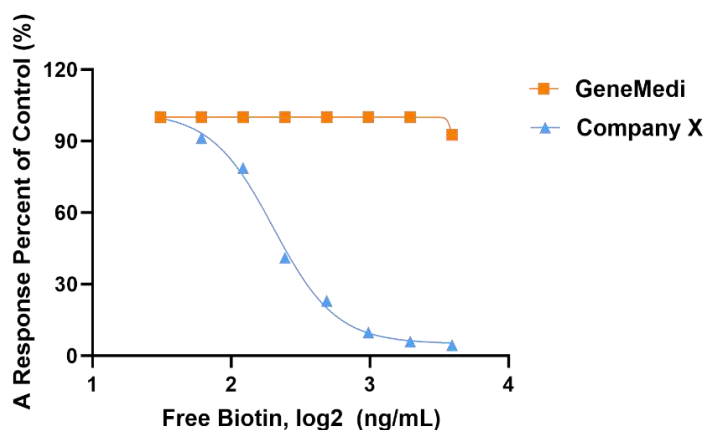


Figure 2. GeneMedi SOLIDEX®-ISOEx Anti-biotin Nanobeads (column-based) demonstrate high interference resistance and remain unaffected by the presence of free biotin.

- ✓ **Unaffected by free biotin (suitable for whole blood)**
- ✓ Efficient cell sorting
- ✓ Minimal impact on downstream applications
- ✓ Suitable for rare cell isolation, such as CTCs or low-abundance immune cell subsets

Catalog No.	Product Name	Separation Formats
GMP-SMT-219-Ab01-nanoIMB	SOLIDEX®-ISOEx anti-Biotin Nanobeads (Column-based)	Column-based
GMP-SMT-219-Ab01-nanoIMB-CF	SOLIDEX®-ISOEx anti-Biotin Nanobeads (Column-free)	Column-free
GMLS-Tag004-nanoIMB-CF	SOLIDEX®-ISOEx Streptavidin Nanobeads (Column-free)	Column-free

SOLIDEX®-ISOEx MagSuite: Column-based Magnetic Separators and Accessories

High-Gradient Column Technology — Uncompromising Purity & Maximum Recovery



SOLIDEX®-ISOEx Magnetic Separator

Cat No.: GMP-ISOEx-Mag-LX1/LX4/MX1/MX8

Product Highlights

- ✓ High-Efficiency Capture
- ✓ Quick and Easy Operation
- ✓ Flexible Throughput
- ✓ High Compatibility

Accessories

SOLIDEX®-ISOEx Column

Cat No.: GMP-ISOEx-Column-L/M

Product Highlights

- ✓ Time-saving & Cost-efficient
- ✓ Quick & Easy Operation
- ✓ High Compatibility



SOLIDEX®-ISOEx Stand



SOLIDEX®-ISOEx separators equipped with columns.

Product List

Catalog No.	Product Name	Size	Appropriate Column / Capacity
GMP-ISOEx-Column-L	SOLIDEX®-ISOEx L Column	Box (25 pcs)	Labeled cells: 1×10^5 - 1×10^8 Total cells: 1×10^7 - 2×10^9 with manual uses
GMP-ISOEx-Column-M	SOLIDEX®-ISOEx M Column	Box (25 pcs)	Labeled cells: 1×10^4 - 1×10^7 Total cells: 1×10^6 - 2×10^8 with manual uses
GMP-ISOEx-Mag-LX1	SOLIDEX®-ISOEx LX1 Magnetic Separator	1 piece	SOLIDEX®-ISOEx L Column
GMP-ISOEx-Mag-LX4	SOLIDEX®-ISOEx LX4 Magnetic Separator	1 piece	SOLIDEX®-ISOEx L Column
GMP-ISOEx-Mag-MX1	SOLIDEX®-ISOEx MX1 Magnetic Separator	1 piece	SOLIDEX®-ISOEx M Column
GMP-ISOEx-Mag-MX8	SOLIDEX®-ISOEx MX8 Magnetic Separator	1 piece	SOLIDEX®-ISOEx M Column
GMP-ISOEx-Mag-Stand-1	SOLIDEX®-ISOEx Stand	1 piece	/
GMP-ISOEx-Mag-Stand-2	SOLIDEX®-ISOEx Mini Stand	1 piece	/

GeneMedi's SOLIDEX®-ISOEx L/M Column

Product Features:

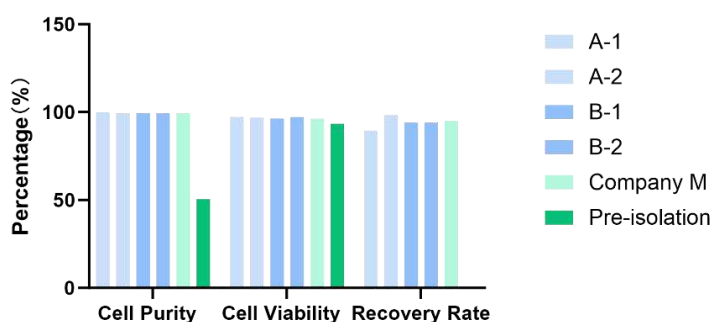
- Time-saving & Cost-efficient
- Quick & Easy Operation
- **High compatibility:** compatible with various brands of magnetic beads and magnetic racks
- High purity, high recovery rate, high viability
- Batch consistency



Cat.No	Product Name	Labeled cells	Total cells
GMP-ISOEx-Column-L	SOLIDEX®-ISOEx L Column	1×10^7 - 2×10^9	1×10^5 - 1×10^8
GMP-ISOEx-Column-M	SOLIDEX®-ISOEx M Column	1×10^5 - 1×10^8	1×10^4 - 1×10^7

GeneMedi SOLIDEX®-ISOEx L Column

High-Efficiency Cell isolation Performance and Batch Stability



GeneMedi's SOLIDEX®-ISOEx L Column	A-1	A-2	B-1	B-2	Company M	Pre-isolation
Cell Purity (%)	99.75	99.46	99.45	99.59	99.49	50.58
Cell Viability (%)	97.28	96.96	96.43	97.24	96.32	93.45
Recovery Rate (%)	89.55	98.26	94.34	94.26	95.11	/

Figure 1. GeneMedi's SOLIDEX®-ISOEx L Column demonstrates superior cell sorting efficacy. GeneMedi's SOLIDEX®-ISOEx L Column shows no significant differences in cell isolation effects compared to the isolation columns from Company M, where A and B represent different batches of isolation columns. Experimental data indicate that cell purity, viability, and recovery rates of post-processing with GeneMedi's isolation column are all exceed 90%.

SOLIDEX®-ISOEx MagSuite: Column-free Magnetic Sorters

Zero Column — Experience Speed & Simplicity with True Column-free Isolation



SOLIDEX®-ISOEx Magnetic Sorter

Cat No.: GMP-ISOEx-Mag-S5/15/50

Product Highlights

- ✓ Rapid Isolation
- ✓ Efficient Capture
- ✓ Flexible Sample Processing
- ✓ High Compatibility

Product List

Catalog No.	Product Name	Size	Compatible Equipment
GMP-ISOEx-Mag-S5	SOLIDEX®-ISOEx Magnetic Sorter-5	1 piece	A standard 5 mL (12 x 75 mm) polystyrene tube
GMP-ISOEx-Mag-S15	SOLIDEX®-ISOEx Magnetic Sorter-15	1 piece	A standard 14 mL (17 x 95 mm) polystyrene tube
GMP-ISOEx-Mag-S50	SOLIDEX®-ISOEx Magnetic Sorter-50	1 piece	A standard 50 mL conical tube

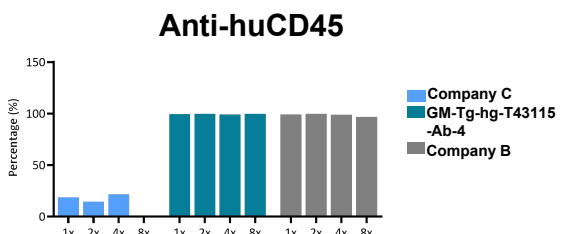
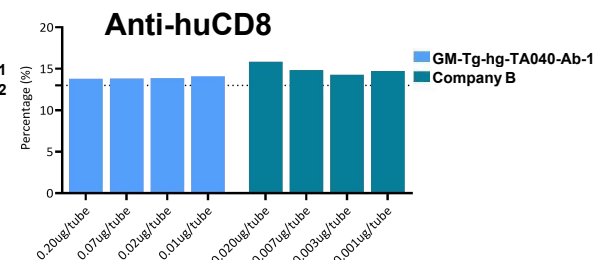
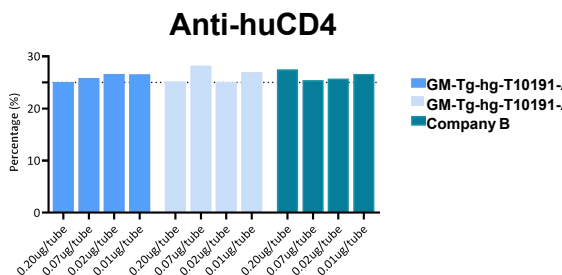
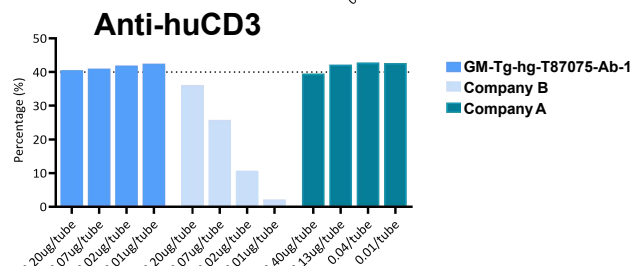
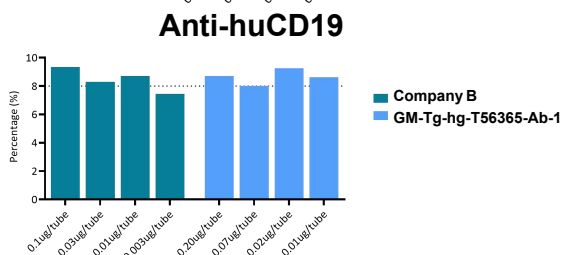
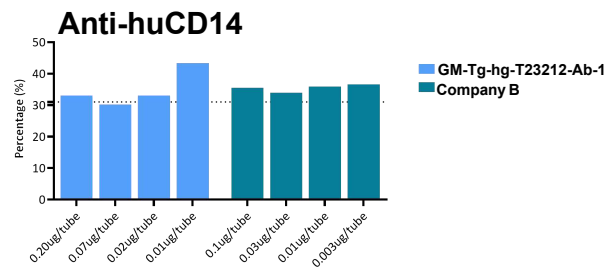
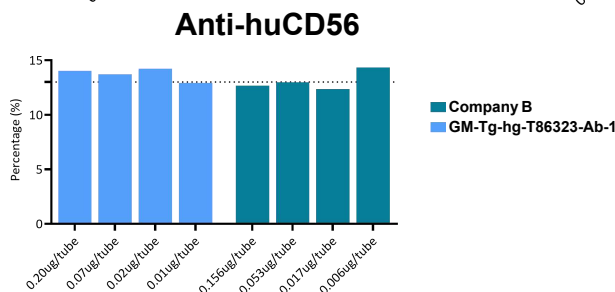
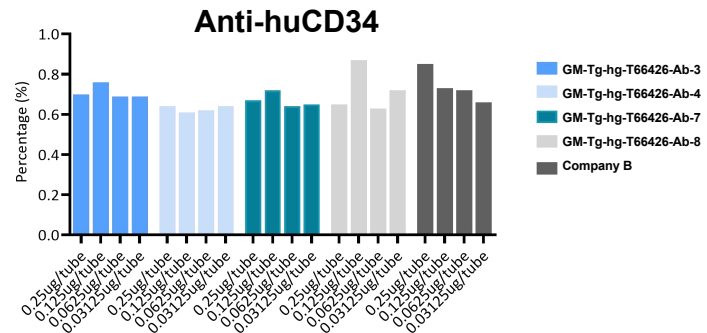
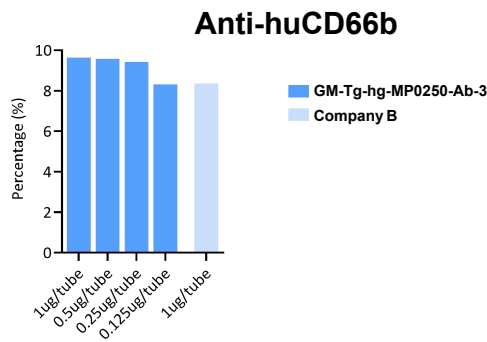


SOLIDEX®- CDEX Flow Cytometry Antibodies (Naked/PE/APC/FITC/Biotin)

Cat.No	Products Name	Conjugate	Cell population
GM-Tg-hg-MP0250-Ab-3-PE/FITC/APC/Biotin	Anti-Human CD66b monoclonal antibody(mAb) (PE/FITC/APC/Biotin)	PE/FITC/APC/Biotin	Granulocyte
GM-Tg-hg-T66426-Ab-3-PE/FITC/APC/Biotin	Anti-Human CD34 monoclonal antibody(mAb) (PE/FITC/APC/Biotin)	PE/FITC/APC/Biotin	Hematopoietic Stem Cell
GM-Tg-hg-T66426-Ab-4-PE/FITC/APC/Biotin	Anti-Human CD34 monoclonal antibody(mAb) (PE/FITC/APC/Biotin)	PE/FITC/APC/Biotin	Hematopoietic Stem Cell
GM-Tg-hg-T66426-Ab-7-PE/FITC/APC/Biotin	Anti-Human CD34 monoclonal antibody(mAb) (PE/FITC/APC/Biotin)	PE/FITC/APC/Biotin	Hematopoietic Stem Cell
GM-Tg-hg-T66426-Ab-8-PE/FITC/APC/Biotin	Anti-Human CD34 monoclonal antibody(mAb)(PE/FITC/APC/Biotin)	PE/FITC/APC/Biotin	Hematopoietic Stem Cell
GM-Tg-hg-T86323-Ab-1-PE/FITC/APC/Biotin	Anti-Human NCAM1 (CD56) monoclonal antibody(mAb) (PE/FITC/APC/Biotin)	PE/FITC/APC/Biotin	NK cell
GM-Tg-hg-T23212-Ab-1-PE/FITC/APC/Biotin	Anti-Human CD14 monoclonal antibody(mAb) (PE/FITC/APC/Biotin)	PE/FITC/APC/Biotin	Monocyte/Macrophage
GM-Tg-hg-T56365-Ab-1-PE/FITC/APC/Biotin	Anti-Human CD19 monoclonal antibody(mAb)(PE/FITC/APC/Biotin)	PE/FITC/APC/Biotin	B cell
GM-Tg-hg-T87075-Ab-1-PE/FITC/APC/Biotin	Anti-Human CD3E monoclonal antibody(mAb) (PE/FITC/APC/Biotin)	PE/FITC/APC/Biotin	Pan-T cell
GM-Tg-hg-T10191-Ab-1-PE/FITC/APC/Biotin	Anti-Human CD4 monoclonal antibody(mAb) (PE/FITC/APC/Biotin)	PE/FITC/APC/Biotin	CD4-T
GM-Tg-hg-T10191-Ab-2-PE/FITC/APC/Biotin	Anti-Human CD4 monoclonal antibody(mAb)(PE/FITC/APC/Biotin)	PE/FITC/APC/Biotin	CD4-T
GM-Tg-hg-TA040-Ab-1-PE/FITC/APC/Biotin	Anti-Human CD8 monoclonal antibody(mAb) (PE/FITC/APC/Biotin)	PE/FITC/APC/Biotin	CD8-T
GM-Tg-hg-MP2610-Ab-3-PE/FITC/APC/Biotin	Anti-Human TCR alpha-beta (abT) monoclonal antibody(mAb)(PE/FITC/APC/Biotin)	PE/FITC/APC/Biotin	Alpha-Beta T Cell
GM-Tg-hg-T13017-Ab-1-PE/FITC/APC/Biotin	Anti-Human CD138 monoclonal antibody(mAb) (PE/FITC/APC/Biotin)	PE/FITC/APC/Biotin	Plasma Cell
GM-Tg-hg-T43115-8-Ab-4-PE/FITC/APC/Biotin	Anti-Human CD45RA monoclonal antibody(mAb) (PE/FITC/APC/Biotin)	PE/FITC/APC/Biotin	Allhematopoietic cls
GM-Tg-hg-T43115-Ab-4-PE/FITC/APC/Biotin	Anti-Human CD45 monoclonal antibody(mAb) (PE/FITC/APC/Biotin)	PE/FITC/APC/Biotin	Allhematopoietic cls
GM-Tg-hg-T59001-Ab-3-PE/FITC/APC/Biotin	Anti-human CD16 human monoclonal antibody(mAb) (PE/FITC/APC/Biotin)	PE/FITC/APC/Biotin	NK cells
GMP-SMT-219-Ab01-FITC/APC/PE/HRP	FITC/APC/PE/HRP-conjugated Anti-biotin monoclonal antibody (mAb, Binds both conjugated and free biotin)	FITC/APC/PE/HRP	
GMP-SMT-219-Ab02-FITC/APC/PE/HRP	FITC/APC/PE/HRP-conjugated Anti-biotin monoclonal antibody (mAb, Specific for conjugated biotin)	FITC/APC/PE/HRP	

Size: 25T, 100T, 500T

SOLIDEX® - CDEx Flow Cytometry Antibodies (Naked/PE/APC/FITC/Biotin)



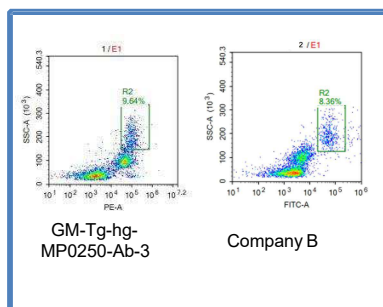
Conclusion:

GeneMedi's anti-human CD3, CD4, CD8, CD14, CD19, CD56 (NCAM1), CD45, CD66b (CEACAM8), and CD34 antibodies are validated by flow cytometry for detecting specific PBMC-derived cell types.

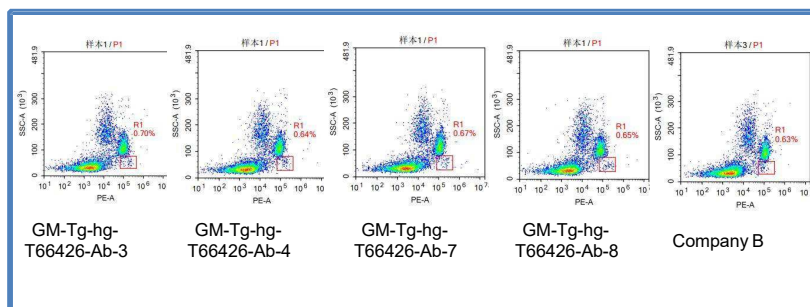
Cat No	Product Name
GM-Tg-hg-MP0250-Ab-3	Anti-Human CEAM8/ CEACAM8/ CD66b monoclonal antibody
GM-Tg-hg-T66426-Ab-3	Anti-Human CD34 monoclonal antibody
GM-Tg-hg-T66426-Ab-4	Anti-Human CD34 monoclonal antibody
GM-Tg-hg-T66426-Ab-7	Anti-Human CD34 monoclonal antibody
GM-Tg-hg-T66426-Ab-8	Anti-Human CD34 monoclonal antibody
GM-Tg-hg-T86323-Ab-1	Anti-Human NCAM1 (CD56) monoclonal antibody(mAb)
GM-Tg-hg-T23212-Ab-1	Anti-Human CD14 monoclonal antibody(mAb)
GM-Tg-hg-T56365-Ab-1	Anti-Human CD19 monoclonal antibody(mAb)
GM-Tg-hg-T87075-Ab-1	Anti-Human CD3 monoclonal antibody(mAb)
GM-Tg-hg-T10191-Ab-1	Anti-Human CD4 monoclonal antibody(mAb)
GM-Tg-hg-T10191-Ab-2	Anti-Human CD4 monoclonal antibody(mAb)
GM-Tg-hg-TA040-Ab-1	Anti-Human CD8 monoclonal antibody(mAb)
GM-Tg-hg-T43115-Ab-4	Anti-Human CD45 monoclonal antibody(mAb)

SOLIDEX® - CDEx Flow Cytometry Antibodies (Naked/PE/APC/FITC)

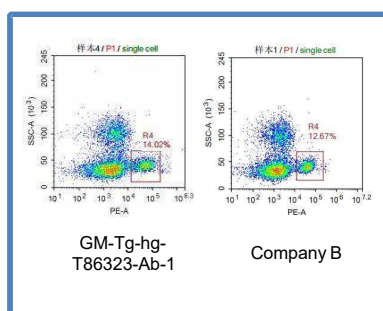
Anti-huCD66b



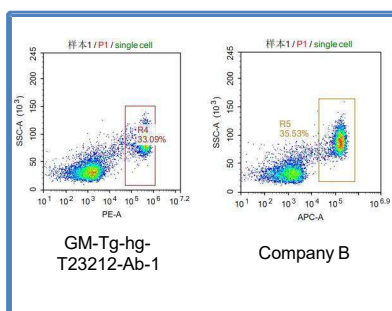
Anti-huCD34



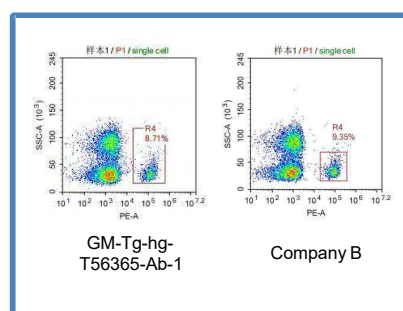
Anti-huCD56



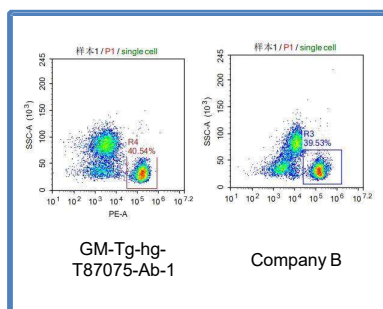
Anti-huCD14



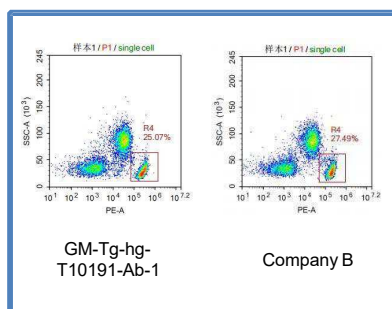
Anti-huCD19



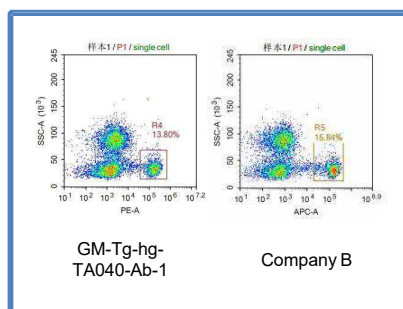
Anti-huCD3



Anti-huCD4



Anti-huCD8



Cat No	Product Name
GM-Tg-hg-MP0250-Ab-3	Anti-Human CD66b monoclonal antibody
GM-Tg-hg-T66426-Ab-3/4/7/8	Anti-Human CD34 monoclonal antibody
GM-Tg-hg-T86323-Ab-1	Anti-Human CD56 monoclonal antibody
GM-Tg-hg-T23212-Ab-1	Anti-Human CD14 monoclonal antibody

Cat No	Product Name
GM-Tg-hg-T56365-Ab-1	Anti-Human CD19 monoclonal antibody
GM-Tg-hg-T87075-Ab-1	Anti-Human CD3 monoclonal antibody
GM-Tg-hg-T10191-Ab-1/2	Anti-Human CD4 monoclonal antibody
GM-Tg-hg-TA040-Ab-1	Anti-Human CD8 monoclonal antibody

Conclusion:

GeneMedi's unique **SOLIDEX® - CDEx Flow Cytometry Antibodies** are validated to detect PBMC-derived specific cell types by flow cytometry.

Find more **SOLIDEX® -CDEx Antibody** on: www.genemedi.net

CAR-Analytical Tools

Anti-FMC63, Anti-G4S Linker, & Anti-VHH (Naked/PE/APC/FITC) Antibodies

Empowering CAR Therapy: High-Fidelity Analytical Tools for Precise In Vitro Evaluation



Product Highlights

- Comprehensive *In Vitro* Detection & Evaluation
- Exceptional Sensitivity
- Uncompromising Specificity
- Absolute Accuracy

Product list

CAR-Analytical Tools	Cat.No	Products Name
SOLIDEX® -Tag Anti-FMC63 monoclonal antibody	GTU-ADA-FMC63-Ab01-PE200	Anti-FMC63 mAb(PE)
	GTU-ADA-FMC63-Ab01-FITC200	Anti-FMC63 mAb(FITC)
	GTU-ADA-FMC63-Ab01-APC200	Anti-FMC63 mAb(APC)
	GTU-ADA-FMC63-Ab02-PE200	Anti-FMC63 mAb(PE)
	GTU-ADA-FMC63-Ab02-FITC200	Anti-FMC63 mAb(FITC)
	GTU-ADA-FMC63-Ab02-APC200	Anti-FMC63 mAb(APC)
SOLIDEX® -Tag Anti-G4S linker monoclonal antibody	GMLS-Tag003-Ab01-PE200	Anti-(G4S)n mAb(PE)
	GMLS-Tag003-Ab01-FITC200	Anti-(G4S)n mAb(FITC)
	GMLS-Tag003-Ab01-APC200	Anti-(G4S)n mAb(APC)
	GMLS-Tag003-Ab01-HRP200	Anti-(G4S)n mAb(HRP)
	GMLS-Tag003-Ab01-Biotin200	Anti-(G4S)n mAb(Biotin)
SOLIDEX® -Tag Anti-VHH monoclonal antibody	GMLS-Tag002-Ab01-PE200	Anti-VHH mAb(PE)
	GMLS-Tag002-Ab01-FITC200	Anti-VHH mAb(FITC)
	GMLS-Tag002-Ab01-APC200	Anti-VHH mAb(APC)

CAR-Analytical Tools

Anti-FMC63, Anti-G4S linker, Anti-VHH(Naked/PE/APC/FITC) Antibodies

SOLIDEX® -Tag Anti-FMC63 monoclonal antibody

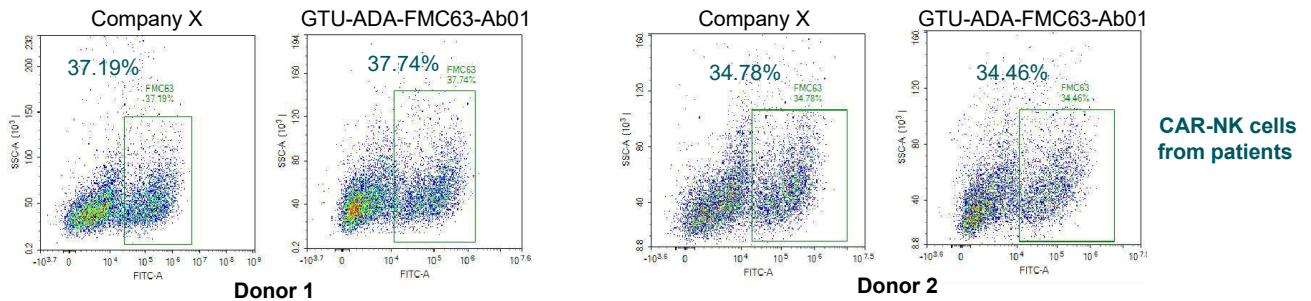


Figure 1. GeneMedi's Anti-FMC63 monoclonal antibody is validated to detect simulated samples of CAR-NK infusion in patients.

SOLIDEX® -Tag Anti-G4S monoclonal antibody

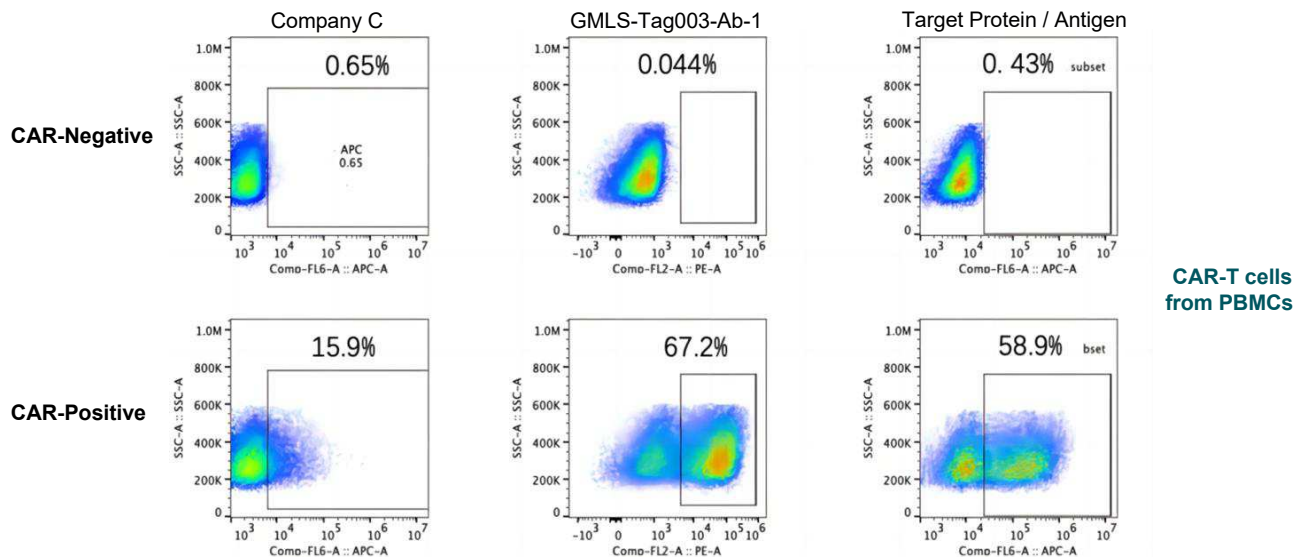


Figure 2. For detecting CAR-T cells, GeneMedi's Anti-G4S linker monoclonal antibody exhibits lower background and detection antibody results are closer to specific antigen detection, compared to Company C.

SOLIDEX® - Tag Anti-VHH monoclonal antibody

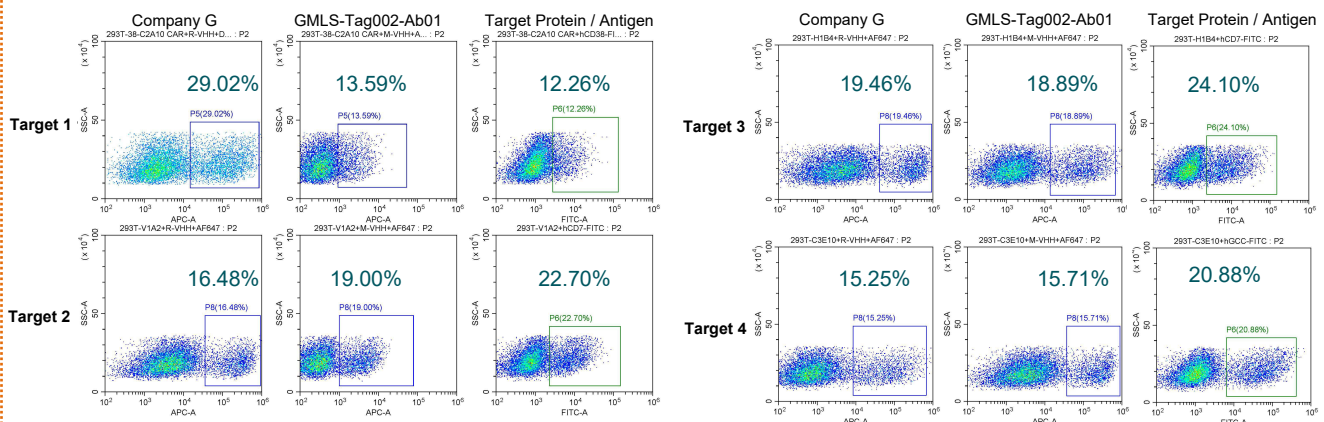
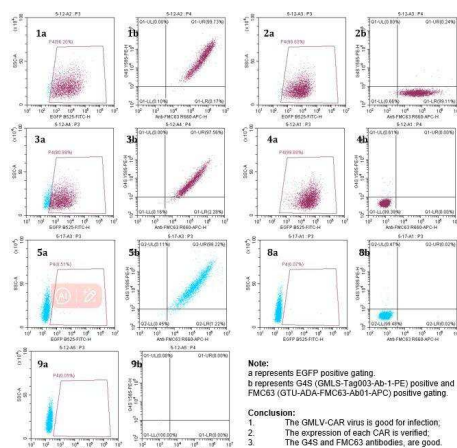


Figure 3. Anti-VHH monoclonal antibody effectively detects VHH-based anti-Target CAR expression in transfected 293T cells, with greater consistency with the target protein compared to Company G.

CAR-X Good-Validated Premade Lenti-CAR Particles



	Name of GMLV-CAR	CAR Structure	Cassette	G4S Linker	FMC63	EGFP
1	Lenti-CAR-CD19-S1-EGFP-Puro	CD19 SCFV (FMC63)-CD8-4-1BB-CD3ζ-EGFP-Puromycin;	LV-EF1-CAR-P2A-EGFP-T2A-Puromycin	Y	Y	Y
2	Lenti-CAR-CD19-S2-EGFP-Puro	CD19 SCFV (FMC63)-CD28-CD3ζ-EGFP-Puromycin;	LV-EF1-CAR-P2A-EGFP-T2A-Puromycin	N	Y	Y
3	Lenti-CAR-CD19-S3-EGFP-Puro	CD19 SCFV (FMC63)-CD8-CD28-4-1BB-CD3ζ-EGFP-Puromycin,	LV-EF1-CAR-P2A-EGFP-T2A-Puromycin	Y	Y	Y
4	GMLV-EF1-MCS-P2A-EGFP-T2A-PURO	Null	LV-EF1-MCS-P2A-EGFP-T2A-Puromycin	N	N	Y
5	Lenti-CAR-CD19-S1-Puro	CD19 SCFV (FMC63)-CD8-4-1BB-CD3ζ-Puromycin;	LV-EF1-CAR-P2A-Puromycin	Y	Y	N
6	Lenti-CAR-CD19-S2-Puro	CD19 SCFV (FMC63)-CD28-CD3ζ-Puromycin;	LV-EF1-CAR-P2A-Puromycin	N	Y	N
7	Lenti-CAR-CD19-S3-Puro	CD19 SCFV (FMC63)-CD8-CD28-4-1BB-CD3ζ-Puromycin,	LV-EF1-CAR-P2A-Puromycin	Y	Y	N
8	GMLV-EF1-MCS-P2A-Puro	Null	LV-EF1-MCS-P2A-Puromycin	N	N	N
9	Blank	Null	Null	N	N	N

Figure 1. GM-Lenti-CAR Lentivirus represent a great performance in CAR-expression

Cat.No	Products Name	Description
GMV-LVc-CD19	CD19 CAR Lentivirus	Our CD19 CAR Lentivirus is specifically designed to target CD19, a critical marker of B-cell malignancies. This vector is a cornerstone in the treatment of various leukemias and lymphomas, offering a beacon of hope for patients battling these cancers.
GMV-LVc-CD20	CD20 CAR Lentivirus	Targeting CD20-positive malignancies, our CD20 CAR Lentivirus is engineered to facilitate groundbreaking treatments against conditions such as non-Hodgkin lymphoma and chronic lymphocytic leukemia, showcasing our commitment to combating hematological cancers.
GMV-LVc-Her2	Her2 CAR Lentivirus	Our Her2 CAR Lentivirus targets the Her2 protein, offering a strategic approach to treating Her2-positive breast cancer. This vector embodies our dedication to advancing precision medicine and providing targeted therapies for patients with breast cancer.
GMV-LVc-BCMA	BCMA CAR Lentivirus	Focused on BCMA, a protein implicated in the pathogenesis of multiple myeloma, our BCMA CAR Lentivirus underscores our commitment to addressing this challenging condition with targeted therapeutic strategies.
GMV-LVc-GPC3	GPC3 CAR Lentivirus	By targeting GPC3, associated with hepatocellular carcinoma, our GPC3 CAR Lentivirus reflects our dedication to pioneering treatments for hard-to-treat cancers, emphasizing our innovative approach to cancer therapy.

About GeneMedi

GeneMedi was founded in 2018 by a team of interdisciplinary experts in drug discovery, CMC process development, computational biology, and materials chemistry. GeneMedi is dedicated to empowering cell and gene therapy (CGT) development through high-efficiency purification and rigorous quality control solutions.



Our mission: Innovate biologics to empower gene and cell therapy. GeneMedi combines world-class technology platforms with a rigorous quality management system. GeneMedi delivers reliable, high-performance solutions to global clients, helping to accelerate drug R&D.

SOLIDEX®-ISOEx Technical Platforms



GM-ExBeads™ Microsphere Engineering & Modification

Features full-scale bead synthesis capabilities. Utilizing proprietary surface chemistry, it achieves oriented ligand arrangement and steric optimization to effectively eliminate non-specific aggregation.



GM-LIBRA™ AI-Driven Ligand Evolution

Leverages AI for precise epitope prediction and binding analysis. By identifying optimal antibodies, it significantly enhances capture efficiency while minimizing non-specific adsorption.



GM-ExImmune Integrated Immune Cell Verification

Strictly validates the viability and functionality of sorted cells. It provides panoramic immunophenotyping analysis to meet the specific demands of advanced immunotherapies, including T/NK Cell Engagers.



GVC (GM Vector Core)

A Quality-by-Design (QbD) platform dedicated to viral vector process development. It delivers tailored, high-quality production strategies for diverse, novel AAV serotypes, lentiviruses with engineered envelopes, and adenoviruses with modified fibers, establishing robust and scalable processes to support advanced research and downstream manufacturing.

Core Advantages

International Quality Management System

GeneMedi strictly follows ISO 9001 and ISO 13485 standards and implemented a digital quality traceability system to ensure exceptional product quality.

Professional Team

Our team of 60+ cross-disciplinary experts brings over 10 years of average industry experience and in-depth knowledge of GCT and antibody development requirements.

Technology Innovation

AI-driven product design platform is integrated with a million-level biological big data database to speed up product iteration and enhance performance.

Request product sample

➤ Scan the QR Code

