GENEMEDI
Innovative Solution
for Therapeutics & Diagnostics Industry

Cell Therapy Solution

Product Catalogue 2026

SOLIDEX™ Immune Cell Solution

- SOLIDEX™-ISOEx Cell Isolation Nanobeads
- SOLIDEX™ - CDEx Flow Cytometry Antibodies (Naked/PE/APC/FITC/Biotin)

CAR-X Solution

- CAR-X CAR-Analytical Tools: Anti-FMC63, Anti-G4S linker, Anti-VHH1 (Naked/PE/APC/FITC)
- CAR-X Good-Validated Premade Lenti-CAR Particles

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SOLIDEX™ Immune Cell Solution

SOLIDEX™-ISOEx Cell Isolation Nanobeads →

Product Type	Product Application
SOLIDEX™-ISOEx Cell Isolation Nanobeads & Isolation Kit: Pan-T cells, CD4+ T cells, CD8+ T cells, NK cells, B cells	For **positive selection, negative selection, and depletion**
SOLIDEX™-ISOEx Cell Isolation Nanobeads & Isolation Kit: TCR αβ (αβT)+ cells, CD45+ cells, CD138+ cells, CD45RA+ cells, CD16+ cells, CD25+ cells, CD34+ cells, CD14+ cells, CD66b+ cells	For **positive selection and depletion**
SOLIDEX™-ISOEx anti-Biotin Nanobeads	For labeling cells with biotinylated primary antibodies or ligands
SOLIDEX™-ISOEx L Column	For isolating target cells using the column-based separation method

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

Bioarkers: CD66b, CD34, CD14, CD19, CD3E, CD4, CD8, TCR α-β (abT), CD138, CD45RA, CD45, CD16

PE/FITC/APC/Biotin-labeled anti-biotin monoclonal antibodies (mAb)

CAR-X 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 Nanobeads

GeneMedi SOLIDEX™-ISOEx Cell Isolation Nanobeads

Cell Type	Cell separation methods
Pan-T cells, CD4+ T cells, CD8+ T cells, NK cells, B cells	Positive Selection, Negative Selection, Depletion
TCR alpha-beta (αβT) +cell、CD45+cell、CD138+cell、CD45RA+cell、CD16+cell、CD25+cell、CD34+cell、CD14+cell、CD66b+cell	Positive Selection, Depletion

Difference between Cell separation methods: **Positive Selection, Negative Selection, and Depletion.**

Category	Positive Selection	Negative Selection (Untouched)	Depletion
Cell Type	Cells with well-defined surface markers (antigen present).	Target cells lack specific surface markers (e.g., neurons).	Removal or depletion of specific cell types from cell mixtures (the specific cell type is magnetically labeled) Applicable scenarios: a.Certain cell populations have a major impact on downstream applications (e.g., GvHD cases); b.Weak expression of markers in non-target cell populations; c.Target cells are non-dominant groups (low cell frequency, weak proliferation capacity)
Cell Viability	High cell viability, but bead removal may be required afterward, which can slightly affect viability.	Higher cell viability; no bead removal required.	
Cell Functionality	Antibody/bead binding may cause mild activation or functional alteration, potentially influencing downstream applications.	Normal; target cells remain unlabeled and untouched, preserving their native physiological state and minimizing activation or damage.	
Cell Purity	High purity can be easily achieved.	Relatively lower purity compared to positive selection.	
Operational Complexity	Relatively simple and straightforward — typically involves incubation, column loading, washing, and elution (or collection).	More complex — requires customized antibody cocktails depending on sample type (e.g., whole blood, PBMC); multiple incubation and washing steps may be needed.	

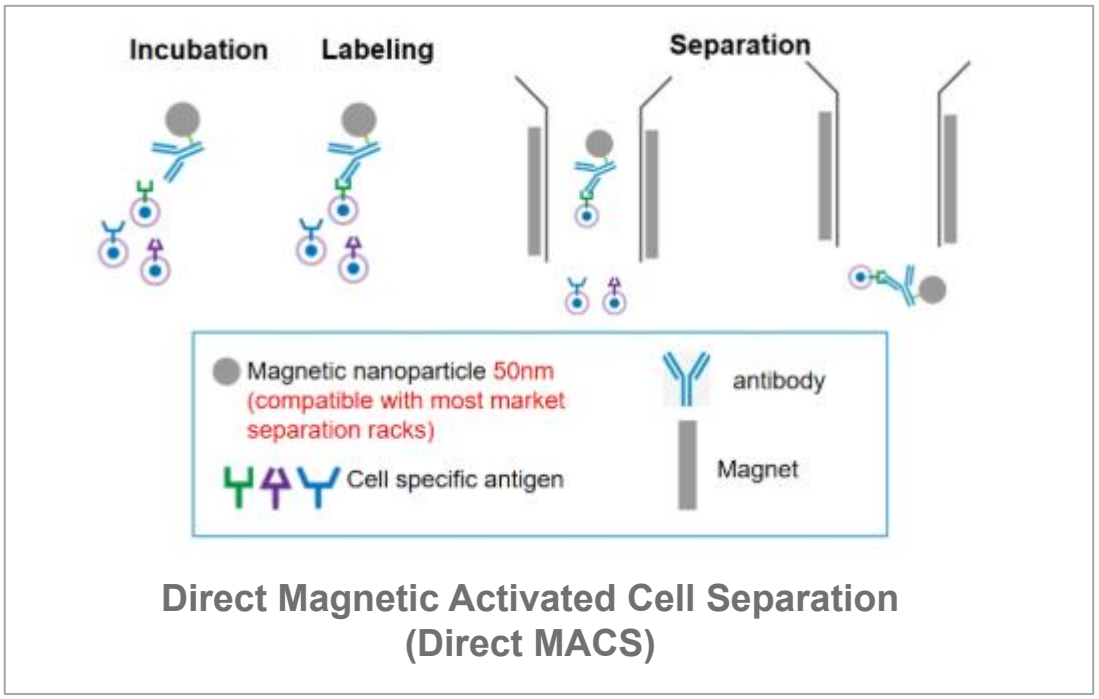
SOLIDEX™-ISOEx Cell Isolation Nanobeads

SOLIDEX™-ISOEx Nanobeads support multiple combinations of **labeling types, bead types, and formats** for cell separation or depletion.

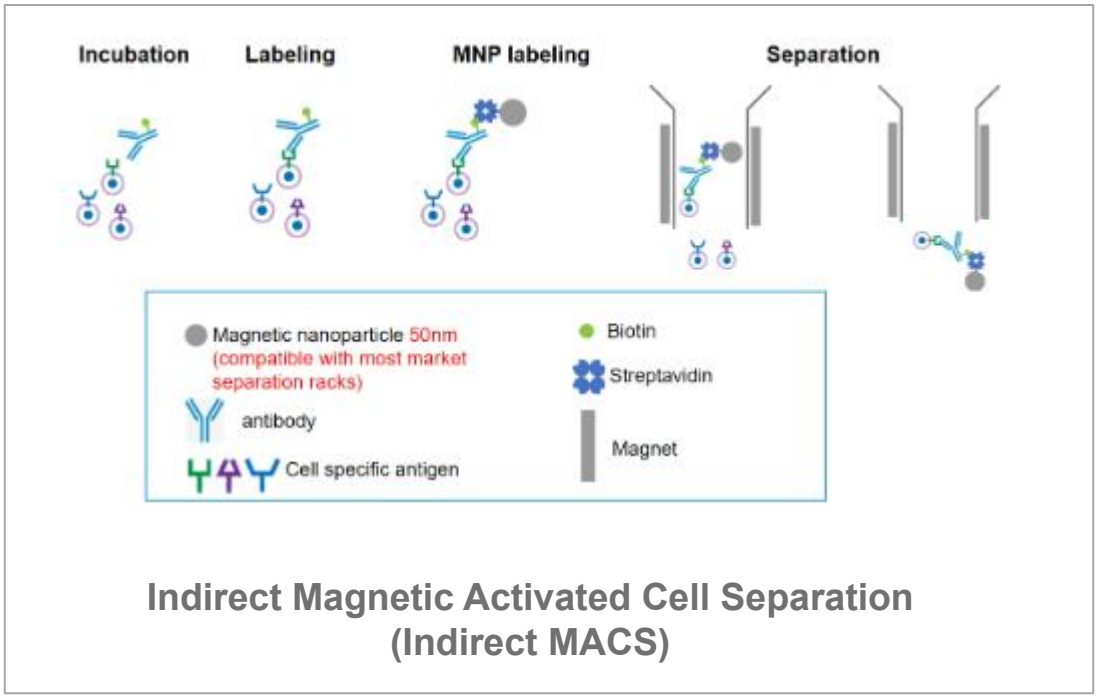
Category	Type	Description	Advantages	Disadvantages
Labeling Method	Direct cell isolation	Antibodies directly conjugated to magnetic beads	Fastest method (single-step)	Limited flexibility
			High specificity	Higher cost per target
			Simple protocol	/
	Indirect cell isolation	Uses biotinylated antibodies + secondary capture (SA/anti-biotin beads)	Antibody flexibility	Longer protocol
			Cost-effective (reusable beads)	Potential for higher background
			Signal amplification	/
Bead Type	Releasable	Anti-biotin beads allow competitive elution	Bead removal possible	Additional step required
			Better for sensitive downstream applications	More expensive beads
	Non-releasable	Streptavidin beads form irreversible bonds	Simple workflow	Permanent bead attachment
			More economical	May interfere with some assays
			Ideal for negative selection	/
Format	Column-based	Uses magnetic columns with 50nm beads	Highest purity	Requires columns
			Better for rare cells	Slower processing
			Automation compatible	Higher cost
	Column-free	Uses larger beads with external magnets	Fast processing (<15 min)	Slightly lower purity
			No column costs	Less suitable for automation
			User-friendly	/

SOLIDEX™-ISOEx Cell Isolation Nanobeads

The labeling types of SOLIDEX™-ISOEx Nanobeads is primarily divided into direct and indirect labeling, tailored for specific cell isolation and capture. Direct labeling involves conjugating antibodies directly to the beads, offering high specificity and simple operation. Indirect labeling provides greater flexibility and cost-effectiveness in antibody usage.



Direct Magnetic Activated Cell Separation (Direct MACS)

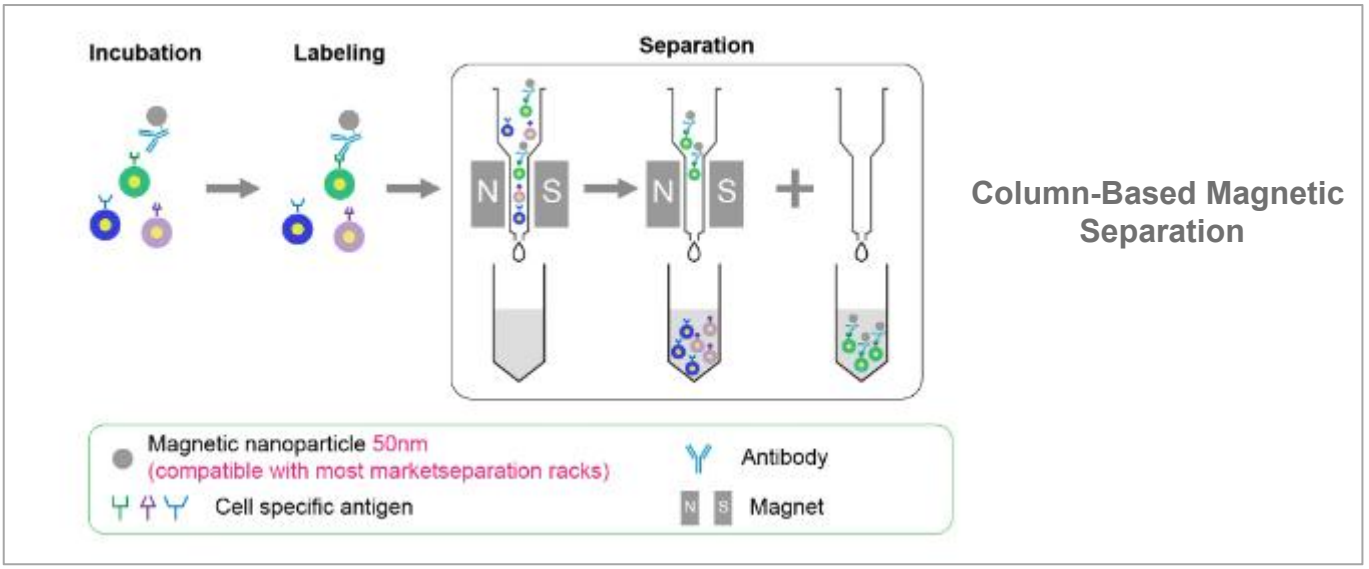


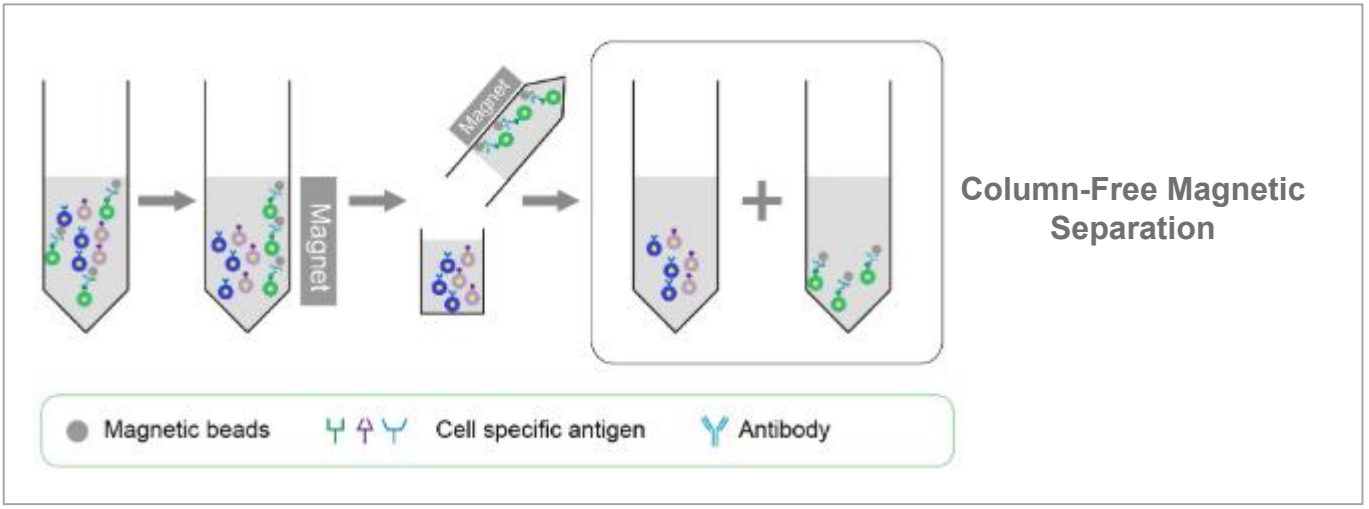
Indirect Magnetic Activated Cell Separation (Indirect MACS)

SOLIDEX™-ISOEx Cell Isolation Nanobeads

The bead types of SOLIDEX™-ISOEx Nanobeads are available in releasable and non-releasable types, which influence how beads are separated from cells and their compatibility with downstream applications. Releasable beads (e.g., anti-biotin beads) allow bead removal through competitive elution, making them ideal for sensitive downstream applications. Non-releasable beads offer a simpler workflow, are more cost-effective, and are particularly suitable for negative selection, though they may interfere with certain detection assays.

The formats of SOLIDEX™-ISOEx Nanobeads (column-based and column-free) are available and can be combined with different bead types to meet specific requirements for purity, speed, and automation. The column-free approach is cost-friendly but offers slightly lower purity and is not suitable for automation. Column-based methods provide high purity and automation advantages but come with column dependency and higher cost considerations.





SOLIDEX™-ISOEx anti-Biotin Nanobeads

To meet the diverse needs of research users in cell isolation, GeneMedi has launched a universal capture tool based on the biotin-avidin system: **SOLIDEX™-ISOEx anti-Biotin Nanobeads (Column-Based)** and **SOLIDEX™-ISOEx anti-Biotin Nanobeads (Column-Free)**.

These products seamlessly integrate with our optimized SOLIDEX™-ISOEx Nanobeads series, allowing users to select existing SOLIDEX™-ISOEx Nanobeads or pair the anti-biotin nanobeads with their own biotinylated antibodies.

Cat.No	Product Name	Format	Key feature
GMP-SMT-219-Ab01-nanoIMB	SOLIDEX™-ISOEx anti-Biotin Nanobeads (Column-Based)	Column-Based	· Biotin labeling can conjugate multiple antibodies · High cell purity, high recovery rate, and high cell viability · Fewer labeled magnetic beads · Gentle processing: No activation, minimal impact on downstream applications
GMP-SMT-219-Ab01-nanoIMB-CF	SOLIDEX™-ISOEx anti-Biotin Nanobeads (Column-Free)	Column-Free	· Biotin labeling can conjugate multiple antibodies · Fast speed and simple operation: Fewer steps, suitable for high-throughput · Gentler: Reduces mechanical stress in certain scenarios · Low equipment requirements: Only requires a magnet

The SOLIDEX™-ISOEx Nanobeads utilize superparamagnetic iron oxide particles with high uniformity and a particle size of 50 nm, offering rapid response to magnetic fields and no significant impact on cell viability or activity. Experimental results demonstrate that, compared to those from Company M, the SOLIDEX™-ISOEx Nanobeads have more consistent size and even more regular shape.

Company M's magnetic nanobeads | **GeneMedi's SOLIDEX™-ISOEx Nanobeads**

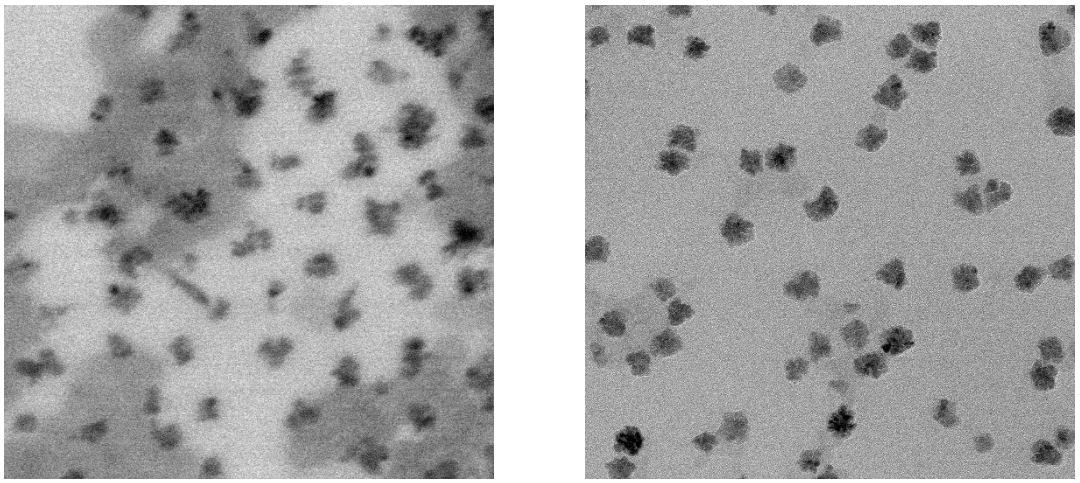


Figure 1. The SOLIDEX™-ISOEx Nanobeads from GeneMedi exhibit uniform size and regular shape.

GeneMedi's SOLIDEX™-ISOEx L Column

Product Features:

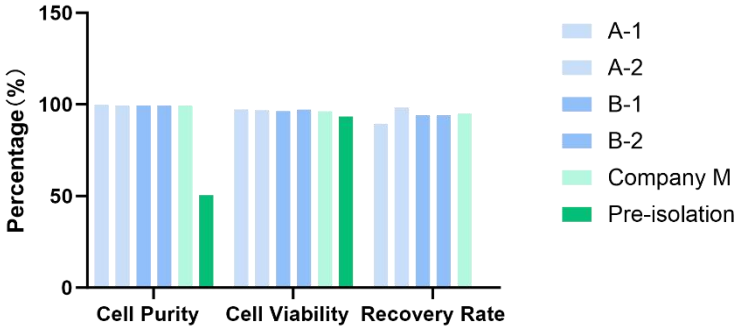
- **High Purity & Recovery**: Purity of isolated target cells >99%, recovery >90%
- **Simple & Rapid Operation**: Only three steps—loading, elution, and collection; magnetic separation completed in 5 minutes
- **Cell Safety**: Sterile, non-damaging to cells, gentle isolation process
- **High Compatibility**: Compatible with all magnetic stands on the market
- **Cost-Effective**: Economical pricing, stable performance with batch-to-batch consistency, effectively saving experimental time and consumable costs

Cat.No	Product Name	Labeled cells	Total cell
GMP-ISOEx-Column-1	SOLIDEX™-ISOEx L Column	1E5 ~ 1E8	1E7~2E9

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 column from Company M, where A and B represent different batches of isolation columns. Experimental data indicate that the purity, viability, and recovery rates of cells post-processing with GeneMedi's isolation column are all greater than 90%.

SOLIDEX™-ISOEx Cell Isolation Nanobeads

GeneMedi covers essential immune cell types including NK cells, B cells, Pan T cells, CD4+ T cells, and CD8+ T cells, CD66b+ cells, CD34+ cells, CD14+ cells, TCR alpha-beta (abT)+ cells, CD138+ cells, CD45RA+ cells, CD45+ cells, CD16+ cells, and CD25+ cells:

Product list - CD66b+ Cell

Cat.No	Product Name	Labeling Type	Bead Type	Format
GM-Tg-hg-MP0250-iso-nanoIMB	SOLIDEX™-ISOEx Human CD66b Isolation Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-MP0250-iso-nanoIMB-CF	SOLIDEX™-ISOEx Human CD66b Isolation Nanobeads (Column-Free)	Direct	Non-releasable	Column-Free
GM-Tg-hg-MP0250-iso-rel-kit	SOLIDEX™-ISOEx Indirect Releasable Human CD66b+ Cell Isolation Kit (Column-Based)	Indirect	Releasable	Column-Based
GM-Tg-hg-MP0250-iso-rel-kit-CF	SOLIDEX™-ISOEx Indirect Releasable Human CD66b+ Cell Isolation Kit (Column-Free)	Indirect	Releasable	Column-Free
GM-Tg-hg-MP0250-iso-kit	SOLIDEX™-ISOEx Indirect Human CD66b+ Cell Isolation Kit (Column-Based)	Indirect	Non-releasable	Column-Based
GM-Tg-hg-MP0250-iso-kit-CF	SOLIDEX™-ISOEx Indirect Human CD66b+ Cell Isolation Kit (Column-Free)	Indirect	Non-releasable	Column-Free
GM-Tg-hg-MP0250-dep-nanoIMB	SOLIDEX™-ISOEx Human CD66b+ Cell Depletion Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-MP0250-dep-kit	SOLIDEX™-ISOEx Indirect Human CD66b+ Cell Depletion Kit (Column-Based)	Indirect	Non-releasable	Column-Based

Product list - CD34+ Cell

Cat.No	Product Name	Labeling Type	Bead Type	Format
GM-Tg-hg-T66426-iso-nanoIMB	SOLIDEX™-ISOEx Human CD34 Isolation Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T66426-iso-nanoIMB-CF	SOLIDEX™-ISOEx Human CD34 Isolation Nanobeads (Column-Free)	Direct	Non-releasable	Column-Free
GM-Tg-hg-T66426-iso-rel-kit	SOLIDEX™-ISOEx Indirect Releasable Human CD34+ Cell Isolation Kit (Column-Based)	Indirect	Releasable	Column-Based
GM-Tg-hg-T66426-iso-rel-kit-CF	SOLIDEX™-ISOEx Indirect Releasable Human CD34+ Cell Isolation Kit (Column-Free)	Indirect	Releasable	Column-Free
GM-Tg-hg-T66426-iso-kit	SOLIDEX™-ISOEx Indirect Human CD34+ Cell Isolation Kit (Column-Based)	Indirect	Non-releasable	Column-Based
GM-Tg-hg-T66426-iso-kit-CF	SOLIDEX™-ISOEx Indirect Human CD34+ Cell Isolation Kit (Column-Free)	Indirect	Non-releasable	Column-Free
GM-Tg-hg-T66426-dep-nanoIMB	SOLIDEX™-ISOEx Human CD34+ Cell Depletion Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T66426-dep-kit	SOLIDEX™-ISOEx Indirect Human CD34+ Cell Depletion Kit (Column-Based)	Indirect	Non-releasable	Column-Based

Product list - NK Cell

Cat.No	Product Name	Labeling Type	Bead Type	Format
GM-Tg-hg-T86323-iso-nanoIMB	SOLIDEX™-ISOEx Human NCAM1 (CD56)+ NK Cell Isolation Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T86323-iso-nanoIMB-CF	SOLIDEX™-ISOEx Human NCAM1 (CD56)+ NK Cell Isolation Nanobeads (Column-Free)	Direct	Non-releasable	Column-Free
GM-Tg-hg-T86323-iso-rel-kit	SOLIDEX™-ISOEx Indirect Releasable Human NCAM1 (CD56)+ NK Cell Isolation Kit (Column-Based)	Indirect	Releasable	Column-Based
GM-Tg-hg-T86323-iso-rel-kit-CF	SOLIDEX™-ISOEx Indirect Releasable Human NCAM1 (CD56)+ NK Cell Isolation Kit (Column-Free)	Indirect	Releasable	Column-Free
GM-Tg-hg-T86323-iso-kit	SOLIDEX™-ISOEx Indirect Human NCAM1 (CD56)+ NK Cell Isolation Kit (Column-Based)	Indirect	Non-releasable	Column-Based
GM-Tg-hg-T86323-iso-kit-CF	SOLIDEX™-ISOEx Indirect Human NCAM1 (CD56)+ NK Cell Isolation Kit (Column-Free)	Indirect	Non-releasable	Column-Free
GM-NK-Cell-iso-kit	SOLIDEX™ Untouched Human NK Cell Isolation Kit (Column-based)	Indirect	Non-releasable	Column-Based
GM-NK-Cell-iso-kit-CF	SOLIDEX™ Untouched Human NK Cell Isolation Kit (Column-free)	Indirect	Non-releasable	Column-Free
GM-Tg-hg-T86323-dep-nanoIMB	SOLIDEX™-ISOEx Human NCAM1 (CD56)+ NK Cell Depletion Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T86323-dep-kit	SOLIDEX™-ISOEx Indirect Human NCAM1 (CD56)+ NK Cell Depletion Kit (Column-Based)	Indirect	Non-releasable	Column-Based

Product list - CD14+ Cell

Cat.No	Product Name	Labeling Type	Bead Type	Format
GM-Tg-hg-T23212-iso-nanoIMB	SOLIDEX™-ISOEx Human CD14 Isolation Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T23212-iso-nanoIMB-CF	SOLIDEX™-ISOEx Human CD14 Isolation Nanobeads (Column-Free)	Direct	Non-releasable	Column-Free
GM-Tg-hg-T23212-iso-rel-kit	SOLIDEX™-ISOEx Indirect Releasable Human CD14+ Cell Isolation Kit (Column-Based)	Indirect	Releasable	Column-Based
GM-Tg-hg-T23212-iso-rel-kit-CF	SOLIDEX™-ISOEx Indirect Releasable Human CD14+ Cell Isolation Kit (Column-Free)	Indirect	Releasable	Column-Free
GM-Tg-hg-T23212-iso-kit	SOLIDEX™-ISOEx Indirect Human CD14+ Cell Isolation Kit (Column-Based)	Indirect	Non-releasable	Column-Based
GM-Tg-hg-T23212-iso-kit-CF	SOLIDEX™-ISOEx Indirect Human CD14+ Cell Isolation Kit (Column-Free)	Indirect	Non-releasable	Column-Free
GM-Tg-hg-T23212-dep-nanoIMB	SOLIDEX™-ISOEx Human CD14+ Cell Depletion Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T23212-dep-kit	SOLIDEX™-ISOEx Indirect Human CD14+ Cell Depletion Kit (Column-Based)	Indirect	Non-releasable	Column-Based

Product list - B Cell

Cat.No	Product Name	Labeling Type	Bead Type	Format
GM-Tg-hg-T56365-iso-nanoIMB	SOLIDEX™-ISOEx Human CD19 Isolation Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T56365-iso-nanoIMB-CF	SOLIDEX™-ISOEx Human CD19 Isolation Nanobeads (Column-Free)	Direct	Non-releasable	Column-Free
GM-Tg-hg-T56365-iso-rel-kit	SOLIDEX™-ISOEx Indirect Releasable Human CD19+ B Cell Isolation Kit (Column-Based)	Indirect	Releasable	Column-Based
GM-Tg-hg-T56365-iso-rel-kit-CF	SOLIDEX™-ISOEx Indirect Releasable Human CD19+ B Cell Isolation Kit (Column-Free)	Indirect	Releasable	Column-Free
GM-Tg-hg-T56365-iso-kit	SOLIDEX™-ISOEx Indirect Human CD19+ B Cell Isolation Kit (Column-Based)	Indirect	Non-releasable	Column-Based
GM-Tg-hg-T56365-iso-kit-CF	SOLIDEX™-ISOEx Indirect Human CD19+ B Cell Isolation Kit (Column-Free)	Indirect	Non-releasable	Column-Free
GM-B-Cell-iso-kit	SOLIDEX™ Untouched Human B Cell Isolation Kit (Column-based)	Indirect	Non-releasable	Column-Based
GM-B-Cell-iso-kit-CF	SOLIDEX™ Untouched Human B Cell Isolation Kit (Column-free)	Indirect	Non-releasable	Column-Free
GM-Tg-hg-T56365-dep-nanoIMB	SOLIDEX™-ISOEx Human CD19+ B Cell Depletion Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T56365-dep-kit	SOLIDEX™-ISOEx Indirect Human CD19+ B Cell Depletion Kit (Column-Based)	Indirect	Non-releasable	Column-Based

Product list - Pan-T Cell

Cat.No	Product Name	Labeling Type	Bead Type	Format
GM-Tg-hg-T87075-iso-nanoIMB	SOLIDEX™-ISOEx Human CD3 Isolation Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T87075-iso-nanoIMB-CF	SOLIDEX™-ISOEx Human CD3 Isolation Nanobeads (Column-Free)	Direct	Non-releasable	Column-Free
GM-Tg-hg-T87075-iso-rel-kit	SOLIDEX™-ISOEx Indirect Releasable Human CD3+ Pan-T Cell Isolation Kit (Column-Based)	Indirect	Releasable	Column-Based
GM-Tg-hg-T87075-iso-rel-kit-CF	SOLIDEX™-ISOEx Indirect Releasable Human CD3+ Pan-T Cell Isolation Kit (Column-Free)	Indirect	Releasable	Column-Free
GM-Tg-hg-T87075-iso-kit	SOLIDEX™-ISOEx Indirect Human CD3+ Pan-T Cell Isolation Kit (Column-Based)	Indirect	Non-releasable	Column-Based
GM-Tg-hg-T87075-iso-kit-CF	SOLIDEX™-ISOEx Indirect Human CD3+ Pan-T Cell Isolation Kit (Column-Free)	Indirect	Non-releasable	Column-Free
GM-Pan-T-Cell-iso-kit	SOLIDEX™ Untouched Human Pan-T Cell Isolation Kit (Column-based)	Indirect	Non-releasable	Column-Based
GM-Pan-T-Cell-iso-kit-CF	SOLIDEX™ Untouched Human Pan-T Cell Isolation Kit (Column-free)	Indirect	Non-releasable	Column-Free
GM-CD4-T-Cell-iso-kit	SOLIDEX™ Untouched Human CD4+ T Cell Isolation Kit (Column-based)	Direct	Non-releasable	Column-Based
GM-CD4-T-Cell-iso-kit-CF	SOLIDEX™ Untouched Human CD4+ T Cell Isolation Kit (Column-free)	Indirect	Non-releasable	Column-Based

Product list - CD4+ T Cell

GM-CD8-T-Cell-iso-kit	SOLIDEX™ Untouched Human CD8+ T Cell Isolation Kit (Column-based)	Labeling Type	Bead Type	Format
GM-Tg-hg-T10191-iso-nanoIMB	SOLIDEX™ Human CD4 Isolation Nanobeads (Column-based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T10191-iso-nanoIMB-CF	SOLIDEX™ Human CD4 Isolation Nanobeads (Column-free)	Direct	Non-releasable	Column-Free
GM-Tg-hg-T10191-iso-rel-kit	SOLIDEX™ Indirect Releasable Human CD4+ T Cell Isolation Kit (Column-based)	Indirect	Releasable	Column-Based
GM-Tg-hg-T10191-iso-rel-kit-CF	SOLIDEX™ Indirect Releasable Human CD4+ T Cell Isolation Kit (Column-free)	Indirect	Releasable	Column-Free
GM-Tg-hg-T10191-iso-kit	SOLIDEX™ Indirect Human CD4+ T Cell Isolation Kit (Column)	Indirect	Non-releasable	Column-Based
GM-Tg-hg-T10191-iso-kit-CF	SOLIDEX™ Indirect Human CD4+ T Cell Isolation Kit (Column-free)	Indirect	Non-releasable	Column-Free
GM-Tg-hg-CD4-T-Cell-iso-kit	SOLIDEX™ Untouched Human CD4+ T Cell Isolation Kit (Column-based)	Indirect	Non-releasable	Column-Based
GM-Tg-hg-CD4-T-Cell-iso-kit-CF	SOLIDEX™ Untouched Human CD4+ T Cell Isolation Kit (Column-free)	Indirect	Non-releasable	Column-Free
GM-Tg-hg-T10191-dep-nanoIMB	SOLIDEX™ Human CD4+ T Cell Depletion Nanobeads (Column-based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T10191-dep-kit	SOLIDEX™ Indirect Human CD4+ T Cell Depletion Kit (Column-based)	Indirect	Non-releasable	Column-Based

Product list - CD8+ T Cell

GM-CD4-T-Cell-iso-kit-CF	SOLIDEX™ Untouched Human CD4+ T Cell Isolation Kit (Column-free)	Labeling Type	Bead Type	Format
GM-Tg-hg-TA040-iso-nanoIMB	SOLIDEX™ Human CD8 Isolation Nanobeads (Column-based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-TA040-iso-nanoIMB-CF	SOLIDEX™ Human CD8 Isolation Nanobeads (Column-free)	Direct	Non-releasable	Column-Free
GM-Tg-hg-TA040-iso-rel-kit	SOLIDEX™ Indirect Releasable Human CD8+ T Cell Isolation Kit (Column-based)	Indirect	Releasable	Column-Based
GM-Tg-hg-TA040-iso-rel-kit-CF	SOLIDEX™ Indirect Releasable Human CD8+ T Cell Isolation Kit (Column-free)	Indirect	Releasable	Column-Free
GM-Tg-hg-TA040-iso-kit	SOLIDEX™ Indirect Human CD8+ T Cell Isolation Kit (Column)	Indirect	Non-releasable	Column-Based
GM-Tg-hg-TA040-iso-kit-CF	SOLIDEX™ Indirect Human CD8+ T Cell Isolation Kit (Column-free)	Indirect	Non-releasable	Column-Free
GM-Tg-hg-CD8-T-Cell-iso-kit	SOLIDEX™ Untouched Human CD8+ T Cell Isolation Kit (Column-based)	Indirect	Non-releasable	Column-Based
GM-Tg-hg-CD8-T-Cell-iso-kit-CF	SOLIDEX™ Untouched Human CD8+ T Cell Isolation Kit (Column-free)	Indirect	Non-releasable	Column-Free
GM-Tg-hg-TA040-dep-nanoIMB	SOLIDEX™ Human CD8+ T Cell Depletion Nanobeads (Column-based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-TA040-dep-kit	SOLIDEX™ Indirect Human CD8+ T Cell Depletion Kit (Column-based)	Indirect	Non-releasable	Column-Based

Product list - TCR alpha-beta (abT)+ Cell

Cat.No	Product Name	Labeling Type	Bead Type	Format
GM-Tg-hg-MP2610-iso-nanoIMB	SOLIDEX™-ISOEx Human TCR alpha-beta (abT) Isolation Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-MP2610-iso-nanoIMB-CF	SOLIDEX™-ISOEx Human TCR alpha-beta (abT) Isolation Nanobeads (Column-Free)	Direct	Non-releasable	Column-Free
GM-Tg-hg-MP2610-iso-rel-kit	SOLIDEX™-ISOEx Indirect Releasable Human TCR alpha-beta (abT)+ Cell Isolation Kit (Column-Based)	Indirect	Releasable	Column-Based
GM-Tg-hg-MP2610-iso-rel-kit-CF	SOLIDEX™-ISOEx Indirect Releasable Human TCR alpha-beta (abT)+ Cell Isolation Kit (Column-Free)	Indirect	Releasable	Column-Free
GM-Tg-hg-MP2610-iso-kit	SOLIDEX™-ISOEx Indirect Human TCR alpha-beta (abT)+ Cell Isolation Kit (Column-Based)	Indirect	Non-releasable	Column-Based
GM-Tg-hg-MP2610-iso-kit-CF	SOLIDEX™-ISOEx Indirect Human TCR alpha-beta (abT)+ Cell Isolation Kit (Column-Free)	Indirect	Non-releasable	Column-Free
GM-Tg-hg-MP2610-dep-nanoIMB	SOLIDEX™-ISOEx Human TCR alpha-beta (abT)+ Cell Depletion Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-MP2610-dep-kit	SOLIDEX™-ISOEx Indirect Human TCR alpha-beta (abT)+ Cell Depletion Kit (Column-Based)	Indirect	Non-releasable	Column-Based

Product list - CD138+ Cell

Cat.No	Product Name	Labeling Type	Bead Type	Format
GM-Tg-hg-T13017-iso-nanoIMB	SOLIDEX™-ISOEx Human CD138 Isolation Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T13017-iso-nanoIMB-CF	SOLIDEX™-ISOEx Human CD138 Isolation Nanobeads (Column-Free)	Direct	Non-releasable	Column-Free
GM-Tg-hg-T13017-iso-rel-kit	SOLIDEX™-ISOEx Indirect Releasable Human CD138+ Cell Isolation Kit (Column-Based)	Indirect	Releasable	Column-Based
GM-Tg-hg-T13017-iso-rel-kit-CF	SOLIDEX™-ISOEx Indirect Releasable Human CD138+ Cell Isolation Kit (Column-Free)	Indirect	Releasable	Column-Free
GM-Tg-hg-T13017-iso-kit	SOLIDEX™-ISOEx Indirect Human CD138+ Cell Isolation Kit (Column-Based)	Indirect	Non-releasable	Column-Based
GM-Tg-hg-T13017-iso-kit-CF	SOLIDEX™-ISOEx Indirect Human CD138+ Cell Isolation Kit (Column-Free)	Indirect	Non-releasable	Column-Free
GM-Tg-hg-T13017-dep-nanoIMB	SOLIDEX™-ISOEx Human CD138+ Cell Depletion Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T13017-dep-kit	SOLIDEX™-ISOEx Indirect Human CD138+ Cell Depletion Kit (Column-Based)	Indirect	Non-releasable	Column-Based

Product list - CD45RA+ Cell

Cat.No	Product Name	Labeling Type	Bead Type	Format
GM-Tg-hg-T43115-8-iso-nanoIMB	SOLIDEX™-ISOEx Human CD45RA Isolation Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T43115-8-iso-nanoIMB-CF	SOLIDEX™-ISOEx Human CD45RA Isolation Nanobeads (Column-Free)	Direct	Non-releasable	Column-Free
GM-Tg-hg-T43115-8-iso-rel-kit	SOLIDEX™-ISOEx Indirect Releasable Human CD45RA+ Cell Isolation Kit (Column-Based)	Indirect	Releasable	Column-Based
GM-Tg-hg-T43115-8-iso-rel-kit-CF	SOLIDEX™-ISOEx Indirect Releasable Human CD45RA+ Cell Isolation Kit (Column-Free)	Indirect	Releasable	Column-Free
GM-Tg-hg-T43115-8-iso-kit	SOLIDEX™-ISOEx Indirect Human CD45RA+ Cell Isolation Kit (Column-Based)	Indirect	Non-releasable	Column-Based
GM-Tg-hg-T43115-8-iso-kit-CF	SOLIDEX™-ISOEx Indirect Human CD45RA+ Cell Isolation Kit (Column-Free)	Indirect	Non-releasable	Column-Free
GM-Tg-hg-T43115-8-dep-nanoIMB	SOLIDEX™-ISOEx Human CD45RA+ Cell Depletion Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T43115-8-dep-kit	SOLIDEX™-ISOEx Indirect Human CD45RA+ Cell Depletion Kit (Column-Based)	Indirect	Non-releasable	Column-Based

Product list - CD45+ Cell

Cat.No	Product Name	Labeling Type	Bead Type	Format
GM-Tg-hg-T43115-iso-nanoIMB	SOLIDEX™-ISOEx Human CD45 Isolation Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T43115-iso-nanoIMB-CF	SOLIDEX™-ISOEx Human CD45 Isolation Nanobeads (Column-Free)	Direct	Non-releasable	Column-Free
GM-Tg-hg-T43115-iso-rel-kit	SOLIDEX™-ISOEx Indirect Releasable Human CD45+ Cell Isolation Kit (Column-Based)	Indirect	Releasable	Column-Based
GM-Tg-hg-T43115-iso-rel-kit-CF	SOLIDEX™-ISOEx Indirect Releasable Human CD45+ Cell Isolation Kit (Column-Free)	Indirect	Releasable	Column-Free
GM-Tg-hg-T43115-iso-kit	SOLIDEX™-ISOEx Indirect Human CD45+ Cell Isolation Kit (Column-Based)	Indirect	Non-releasable	Column-Based
GM-Tg-hg-T43115-iso-kit-CF	SOLIDEX™-ISOEx Indirect Human CD45+ Cell Isolation Kit (Column-Free)	Indirect	Non-releasable	Column-Free
GM-Tg-hg-T43115-dep-nanoIMB	SOLIDEX™-ISOEx Human CD45+ Cell Depletion Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T43115-dep-kit	SOLIDEX™-ISOEx Indirect Human CD45+ Cell Depletion Kit (Column-Based)	Indirect	Non-releasable	Column-Based

Product list - CD16+ Cell

Cat.No	Product Name	Labeling Type	Bead Type	Format
GM-Tg-hg-T59001-iso-nanoIMB	SOLIDEX™-ISOEx Human CD16 Isolation Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T59001-iso-nanoIMB-CF	SOLIDEX™-ISOEx Human CD16 Isolation Nanobeads (Column-Free)	Direct	Non-releasable	Column-Free
GM-Tg-hg-T59001-iso-rel-kit	SOLIDEX™-ISOEx Indirect Releasable Human CD16+ Cell Isolation Kit (Column-Based)	Indirect	Releasable	Column-Based
GM-Tg-hg-T59001-iso-rel-kit-CF	SOLIDEX™-ISOEx Indirect Releasable Human CD16+ Cell Isolation Kit (Column-Free)	Indirect	Releasable	Column-Free
GM-Tg-hg-T59001-iso-kit	SOLIDEX™-ISOEx Indirect Human CD16+ Cell Isolation Kit (Column-Based)	Indirect	Non-releasable	Column-Based
GM-Tg-hg-T59001-iso-kit-CF	SOLIDEX™-ISOEx Indirect Human CD16+ Cell Isolation Kit (Column-Free)	Indirect	Non-releasable	Column-Free
GM-Tg-hg-T59001-dep-nanoIMB	SOLIDEX™-ISOEx Human CD16+ Cell Depletion Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T59001-dep-kit	SOLIDEX™-ISOEx Indirect Human CD16+ Cell Depletion Kit (Column-Based)	Indirect	Non-releasable	Column-Based

Product list - CD25+ Cell

Cat.No	Product Name	Labeling Type	Bead Type	Format
GM-Tg-hg-T03313-iso-nanoIMB	SOLIDEX™-ISOEx Human CD25 Isolation Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T03313-iso-nanoIMB-CF	SOLIDEX™-ISOEx Human CD25 Isolation Nanobeads (Column-Free)	Direct	Non-releasable	Column-Free
GM-Tg-hg-T03313-iso-rel-kit	SOLIDEX™-ISOEx Indirect Releasable Human CD25+ Cell Isolation Kit (Column-Based)	Indirect	Releasable	Column-Based
GM-Tg-hg-T03313-iso-rel-kit-CF	SOLIDEX™-ISOEx Indirect Releasable Human CD25+ Cell Isolation Kit (Column-Free)	Indirect	Releasable	Column-Free
GM-Tg-hg-T03313-iso-kit	SOLIDEX™-ISOEx Indirect Human CD25+ Cell Isolation Kit (Column-Based)	Indirect	Non-releasable	Column-Based
GM-Tg-hg-T03313-iso-kit-CF	SOLIDEX™-ISOEx Indirect Human CD25+ Cell Isolation Kit (Column-Free)	Indirect	Non-releasable	Column-Free
GM-Tg-hg-T03313-dep-nanoIMB	SOLIDEX™-ISOEx Human CD25+ Cell Depletion Nanobeads (Column-Based)	Direct	Non-releasable	Column-Based
GM-Tg-hg-T03313-dep-kit	SOLIDEX™-ISOEx Indirect Human CD25+ Cell Depletion Kit (Column-Based)	Indirect	Non-releasable	Column-Based

SOLIDEX™-ISOEx Cell Isolation Nanobeads

Efficient Isolation of Jurkat Cells Using SOLIDEX™-ISOEx Indirect Human TCR alpha-beta (abT)+ Cell Isolation Kit (Column-Based)

Catalog No. GM-Tg-hg-MP2610-iso-kit

To evaluate the performance of GeneMedi's SOLIDEX™-ISOEx Indirect Human TCR alpha-beta (abT)+ Cell Isolation Kit (Column-Based), Jurkat cells were mixed with 293T-GFP cells at a 1:2 ratio, followed by magnetic separation using both GeneMedi's kit and a competitor's (Company M's TCRα/β T Cell Isolation Kit). The purity of isolated Jurkat cells was assessed via flow cytometry analysis. SOLIDEX™-ISOEx Indirect Human TCR alpha-beta (abT)+ Cell Isolation Kit (Column-Based) delivers superior cell isolation performance.

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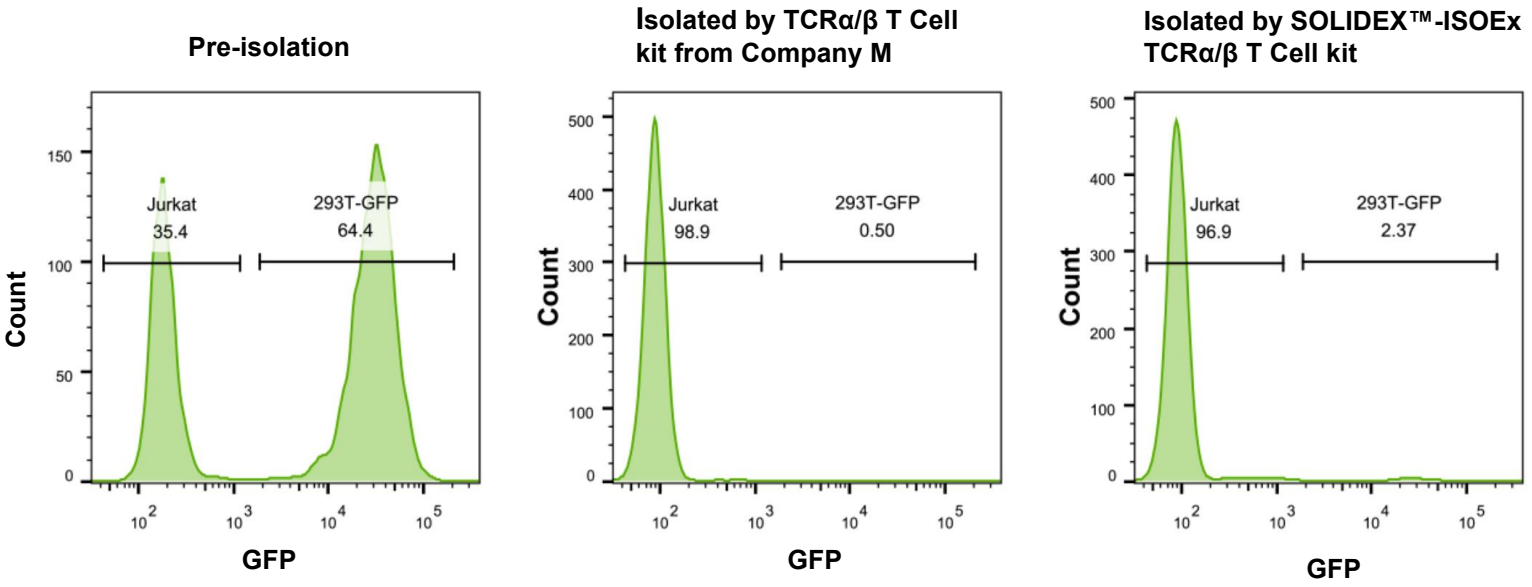


Figure 1. Efficient Isolation of Jurkat Cells Using SOLIDEX™-ISOEx Indirect Human TCR alpha-beta (abT)+ Cell Isolation Kit (Column-Based). The flow cytometry analysis of the purified Jurkat cells by using Company M's TCRα/β T Cell isolation kit and SOLIDEX™-ISOEx Indirect Human TCR alpha-beta (abT)+ Cell Isolation Kit (Column-Based).

SOLIDEX™-ISOEx Cell Isolation Nanobeads

High-Purity Isolation of TCRα/β+ T Cells from Human PBMCs Using SOLIDEX™-ISOEx Indirect Human TCR alpha-beta (abT)+ Cell Isolation Kit (Column-Based).

Catalog No. GM-Tg-hg-MP2610-iso-kit

Human peripheral blood mononuclear cells (PBMCs) were freshly recovered and subjected to TCRα/β+ T cell isolation using GeneMedi's Indirect TCRα/β T Cell Isolation Kit and Company M's TCRα/β T Cell kit. The isolated cell population was analyzed by flow cytometry to evaluate purity and efficiency. SOLIDEX™-ISOEx Indirect Human TCR alpha-beta (abT)+ Cell Isolation Kit (Column-Based) provides superior performance in isolating TCRα/β+ T cells from human PBMCs, delivering high purity and yield for downstream applications.

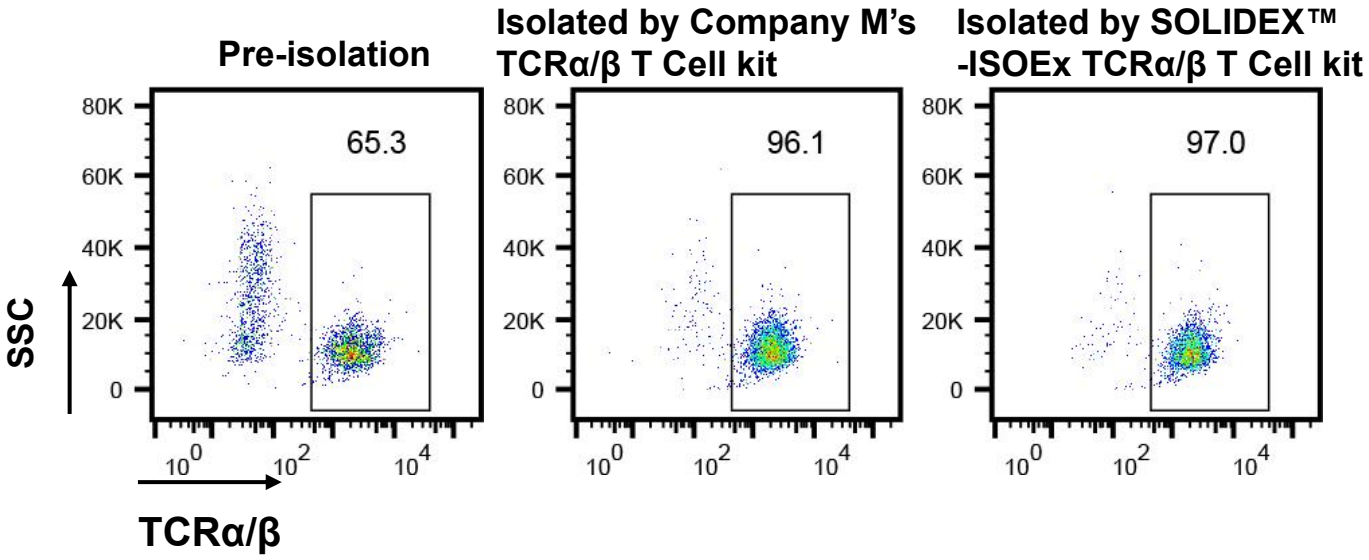


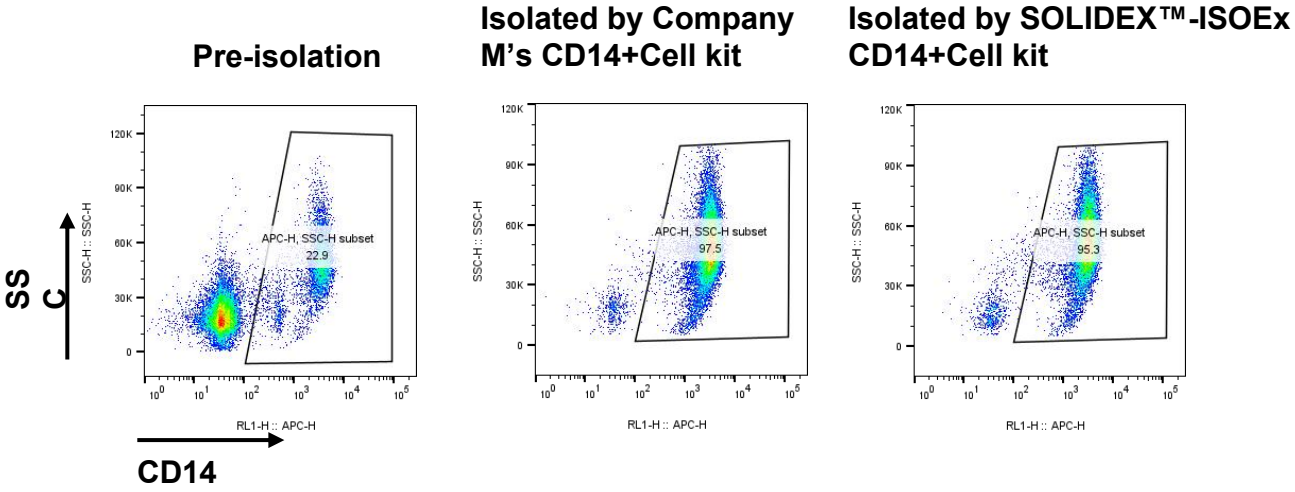
Figure 2. High-Purity Isolation of TCRα/β+ T Cells from Human PBMCs Using SOLIDEX™-ISOEx Indirect Human TCR alpha-beta (abT)+ Cell Isolation Kit (Column-Based). The flow cytometry analysis of the isolated cells from cryopreserved PBMCs.

SOLIDEX™-ISOEx Cell Isolation Nanobeads

High-Purity Isolation of CD14+ Cells from Human PBMCs Using SOLIDEX™-ISOEx Indirect Human CD14+ Cell Depletion Kit (Column-Based).

Catalog No. GM-Tg-hg-T23212-dep-kit

Human peripheral blood mononuclear cells (PBMCs) were freshly recovered and subjected to CD14+ cell isolation using GeneMedi's Indirect Human CD14+ Cell Depletion Kit (Column-Based) and Company M's CD14+ Cell kit. The isolated cell population was analyzed by flow cytometry to evaluate purity and efficiency. SOLIDEX™-ISOEx Indirect Human CD14+ Cell Depletion Kit (Column-Based) provides superior performance in isolating CD14+ T cells from human PBMCs, delivering high purity and yield for downstream applications.



Kit	No. of input cell	No. of isolated cell	Purity
Company M CD14+ Cell kit	1e7	1.68e6	97.42%
SOLIDEX™-ISOEx CD14+ Cell kit	1e7	1.88e6	95.41%

Figure 3. High-Purity Isolation of CD14+ Cells from Human PBMCs Using SOLIDEX™-ISOEx Indirect Human CD14+ Cell Depletion Kit (Column-Based). The flow cytometry analysis of the isolated cells from cryopreserved PBMCs.

SOLIDEX™-ISOEx Cell Isolation Nanobeads

Efficient Isolation of NK Cells Using SOLIDEX™-ISOEx Untouched Human NK Cell Isolation Kit (Column-Based)

Catalog No. GM-Tg-hg-NK-Cell-iso-kit

To determine the purity of isolated NK cells, CD56+ NK cells were magnetically sorted from human peripheral blood mononuclear cells (PBMCs). Cells before and after separation were stained with CD3-APC and CD56-PE antibodies and subsequently analyzed by flow cytometry. Results demonstrated a remarkable increase in CD56+ NK cell purity from 8.19% pre-isolated to 94.3% post-isolated, confirming highly effective NK cell enrichment.

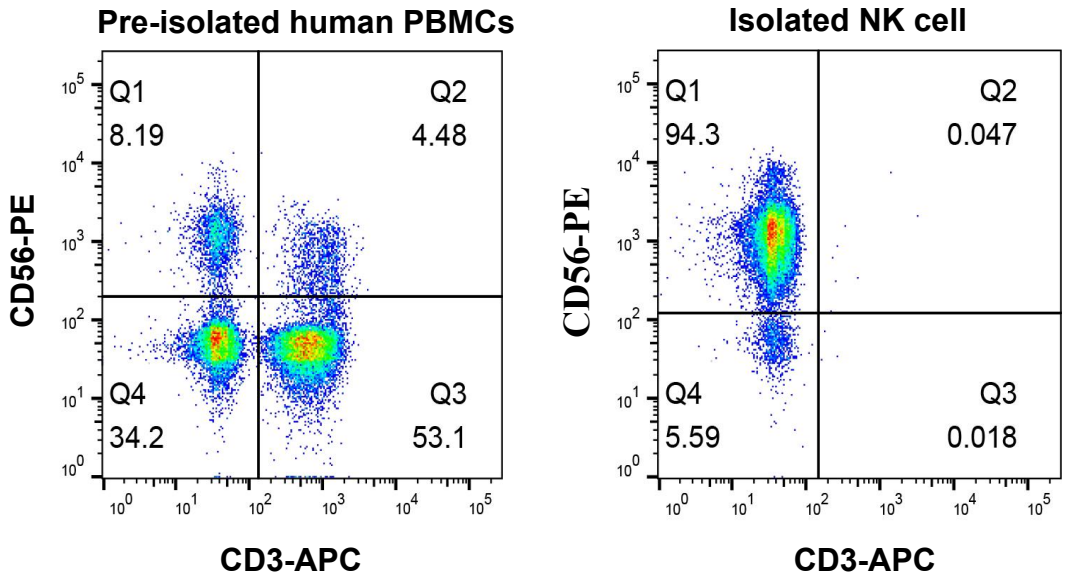


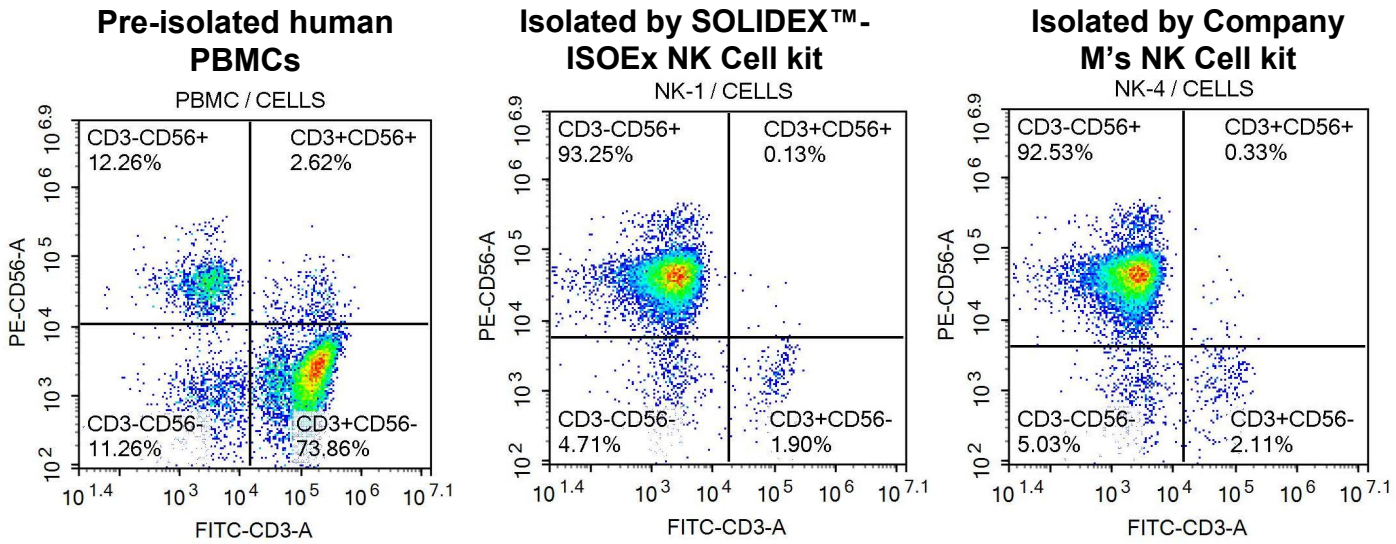
Figure 4. Efficient Isolation of NK Cells Using SOLIDEX™-ISOEx Untouched Human NK Cell Isolation Kit (Column-Based). After incubating with anti-biotin magnetic nanobeads, these cells were depleted by cell isolation column. The NK cells were harvested by collecting the flowthrough component. The NK cells in pre-isolated human PBMCs NK cells with high purity were enriched.

SOLIDEX™-ISOEx Cell Isolation Nanobeads

High-Purity Isolation of NK Cells from Human PBMCs Using SOLIDEX™-ISOEx Untouched Human NK Cell Isolation Kit (Column-Based)

Catalog No. GM-Tg-hg-NK-Cell-iso-kit

Human peripheral blood mononuclear cells (PBMCs) were freshly recovered and subjected to NK cell isolation using SOLIDEX™-ISOEx Untouched Human NK Cell Isolation Kit (Column-Based) and Company M's NK Cell kit. The isolated cell population was analyzed by flow cytometry to evaluate purity and recovery rate. SOLIDEX™-ISOEx Untouched Human NK Cell Isolation Kit (Column-Based) provides superior performance in isolating NK cells from human PBMCs, delivering high purity and recovery rate for downstream applications.



Kit	No. of input cell	No. of isolated cell	Target cell viability	Purity	Recovery rate
SOLIDEX™-ISOEx Untouched Human NK Cell Isolation Kit (Column-Based)	4.57E+07	3.84E+06	98.30%	93.25%	63.90%
Company "M" NK Cell Isolation Kit	4.20E+07	3.38E+06	97.90%	92.53%	60.80%

Figure 5. High-Purity Isolation of NK Cells from Human PBMCs Using SOLIDEX™-ISOEx Untouched Human NK Cell Isolation Kit (Column-Based). The flow cytometry analysis of the isolated cells from cryopreserved PBMCs.

SOLIDEX™-ISOEx Cell Isolation Nanobeads

Efficient Isolation of Pan-T Cells Using SOLIDEX™-ISOEx Human CD3 Isolation Nanobeads (Column-Based)

Catalog No. GM-Tg-hg-T87075-iso-nanoIMB

To assess the purity of isolated T cells, CD3+ T cells were magnetically sorted from human peripheral blood mononuclear cells (PBMCs). Cells before and after separation were stained with APC-conjugated CD3 antibody and propidium iodide (PI), followed by flow cytometric analysis. The results demonstrated a significant increase in CD3+ T cell purity from 52.6% pre-isolated to 95.0% post-isolated, confirming successful T cell isolation.

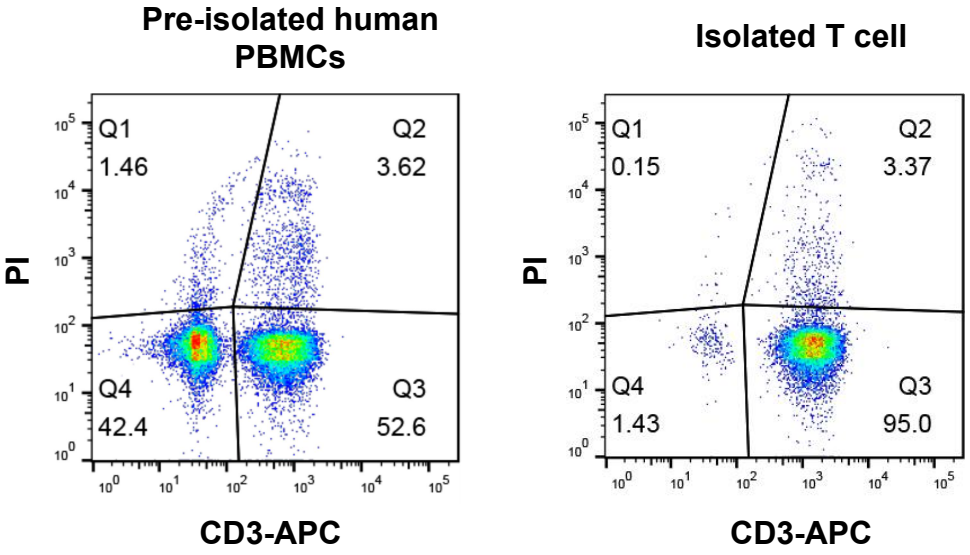


Figure 6 . Efficient Isolation of Pan-T Cells Using SOLIDEX™-ISOEx Human CD3 Isolation Nanobeads (Column-Based). The T cells were labeled with SOLIDEX™-ISOEx Nanobeads conjugated with anti-CD3 antibody. And then these cells were enriched by using cell isolation column. The T cells in pre-isolated human PBMCs. T cells with high purity and motility were enriched.

SOLIDEX™-ISOEx Cell Isolation Nanobeads

Efficient Isolation of Pan-T Cells Using SOLIDEX™-ISOEx Human CD3 Isolation Nanobeads (Column-Free)

Catalog No. GM-Tg-hg-T87075-iso-nanoIMB-CF

To evaluate the purity of isolated T cells, CD3+ T cells were magnetically sorted from human peripheral blood mononuclear cells (PBMCs). Cells before and after separation were stained with APC-conjugated CD3 antibody and analyzed by flow cytometry. The CD3+ T cell purity demonstrated a substantial increase from 65.9% pre-separation to 98.6% post-separation, confirming highly effective T cell isolation.

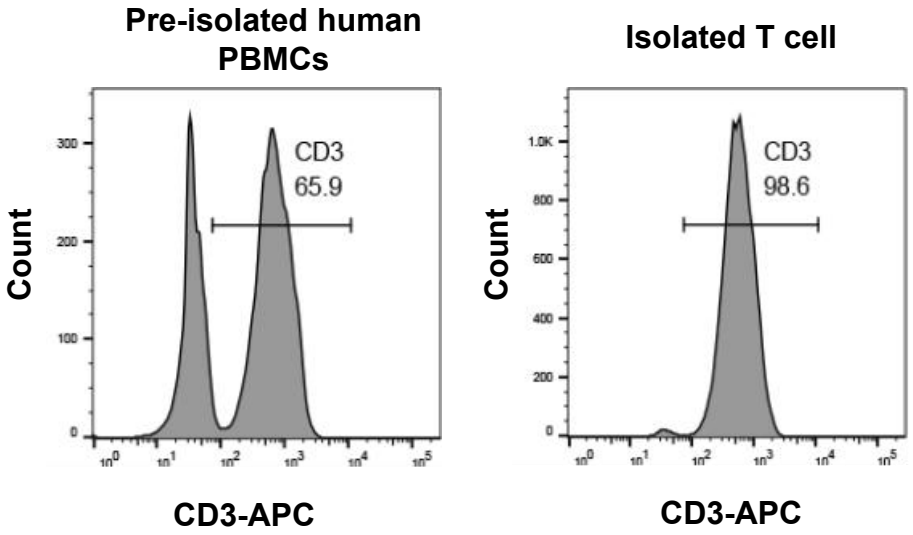


Figure 7. Efficient Isolation of Pan-T Cells Using SOLIDEX™-ISOEx Human CD3 Isolation Nanobeads (Column-Free). The T cells were labeled with SOLIDEX™-ISOEx Nanobeads conjugated with anti-CD3 antibody. And then these cells were enriched by using magnetic separator. The T cells in pre-isolated human PBMCs . T cells with high purity and motility were enriched.

SOLIDEX™-ISOEx Cell Isolation Nanobeads

Efficient Isolation of CD4+ T Cells Using SOLIDEX™-ISOEx Human CD4 Isolation Nanobeads (Column-Based)

Catalog No. GM-Tg-hg-T10191-iso-nanoIMB

To assess the purity of isolated CD4+ T cells, magnetic separation was performed on human peripheral blood mononuclear cells (PBMCs). Both pre- and post-isolation cells were labeled with CD3-APC and CD4-PE antibodies and subjected to flow cytometric analysis. The purity of CD4+ T cells was significantly enhanced, rising from 28.1% before isolation to 97.0% after isolation, indicating highly efficient enrichment of CD4+ T cells.

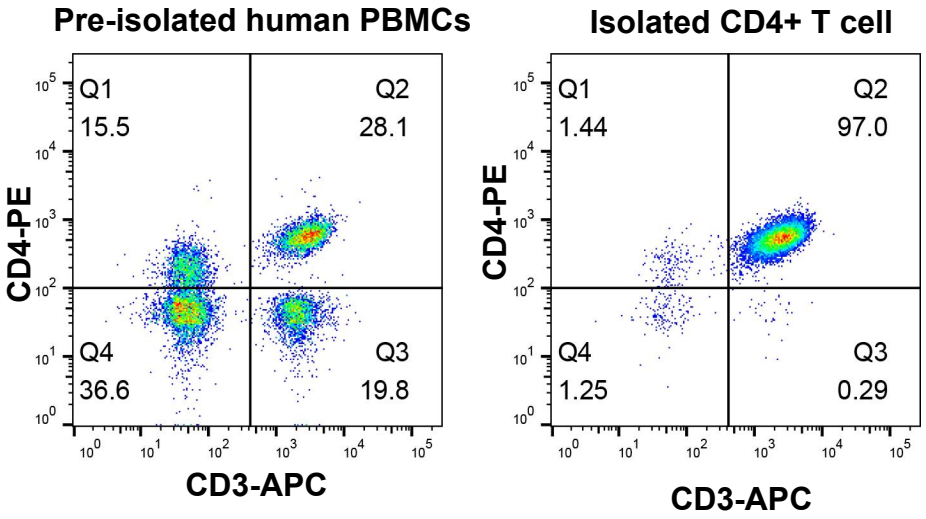


Figure 8. High-Efficiency Enrichment of CD4+ Cells with SOLIDEX™-ISOEx Human CD4 Isolation Nanobeads (Column-Based). Cells were incubated with anti-CD4 antibody-conjugated magnetic nanobeads and passed through an isolation column for positive selection. Flow cytometry shows CD4+ T cells in the input PBMC population and the resulting highly purified fraction

SOLIDEX™-ISOEx Cell Isolation Nanobeads

Efficient Isolation of CD8+ T Cells Using SOLIDEX™-ISOEx Human CD8 Isolation Nanobeads (Column-Based)

Catalog No. GM-Tg-hg-TA040-iso-nanoIMB

To determine the purity of isolated CD8+ T cell, CD8+ T cells were magnetically sorted from human peripheral blood mononuclear cells (PBMCs). Cells before and after separation were stained with CD3-APC and CD8-PE antibodies and subsequently analyzed by flow cytometry. Results demonstrated a remarkable increase in CD8+ T cell purity from 16.6% pre-isolated to 94.6% post-isolated, confirming highly effective CD8+ T cell enrichment.

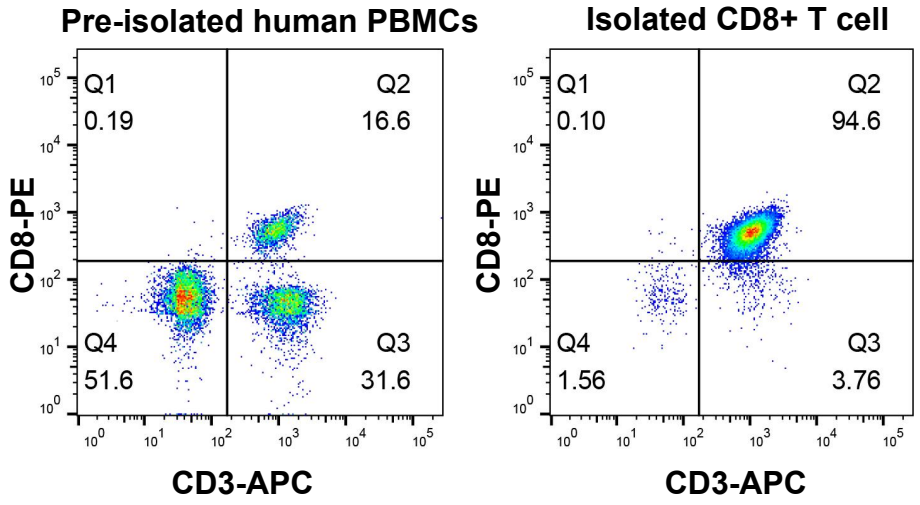


Figure 9. Efficient Isolation of CD8+ Cells Using SOLIDEX™-ISOEx Human CD8 Isolation Nanobeads (Column-Based). The T cells were labeled with magnetic nanobeads conjugated with anti-CD8 antibody. And then these cells were enriched by using cell isolation column. The T cells in pre-isolated human PBMCs . T cells with high purity were enriched.

SOLIDEX™-ISOEx Cell Isolation Nanobeads

Effective Performance of GeneMedi's SOLIDEX™-ISOEx L Column for Cell isolation

Catalog No. GMP-ISOEx-Column-1

Comparative evaluation of the overall performance of GeneMedi 's SOLIDEX™-ISOEx L Column and Company M's Column in the isolation of TCR alpha-beta (abT)+ cells. The Company M's Column yielded slightly higher numbers of bound cells and flow-through cells.

The positive cell populations obtained from both columns exhibited comparable purity and cell viability, both meeting expected standards. In summary, the GeneMedi SOLIDEX™-ISOEx L Column demonstrates equivalent cell isolation efficacy to the Company M's Column. The SOLIDEX™-ISOEx L Column provides a reliable and effective isolation solution.

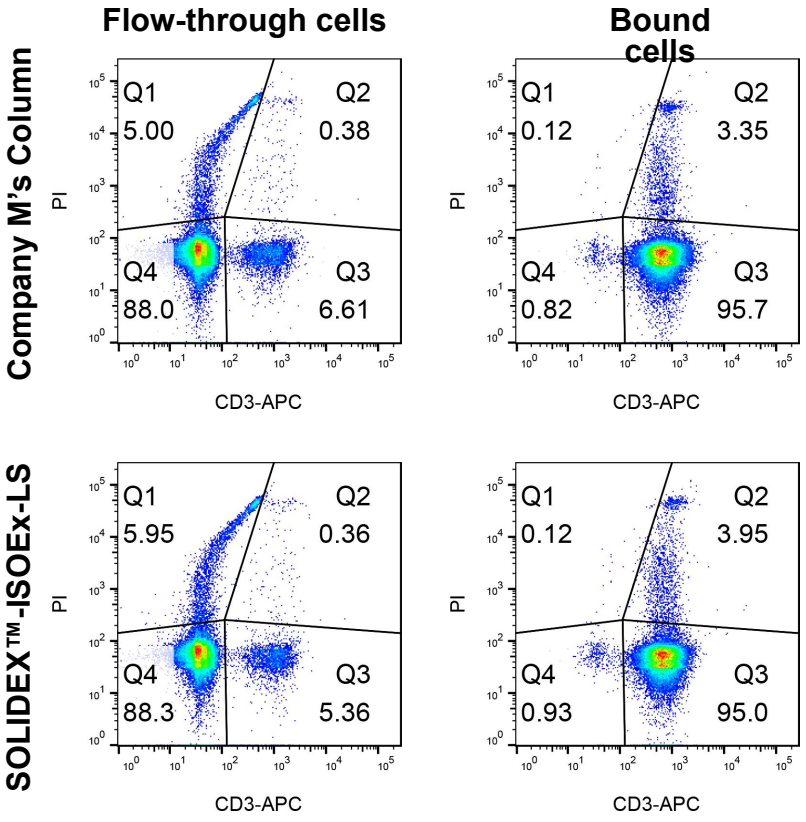


Figure 10. Comparison of cell isolation performance between the two columns. As shown, both columns achieved high purity of target cells. The Company M's Column (A) yielded slightly higher absolute numbers of bound cells and flow-through cells, but showed no significant differences in cell purity or viability compared to the GeneMedi 's SOLIDEX™-ISOEx L Column (B).

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

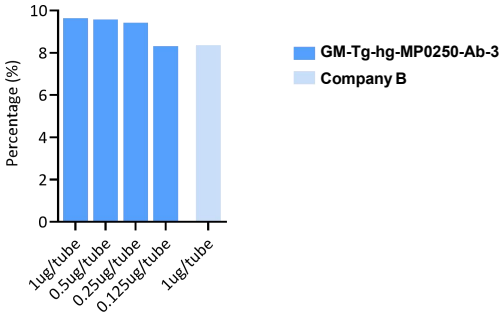
Product list

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	Bcell
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	

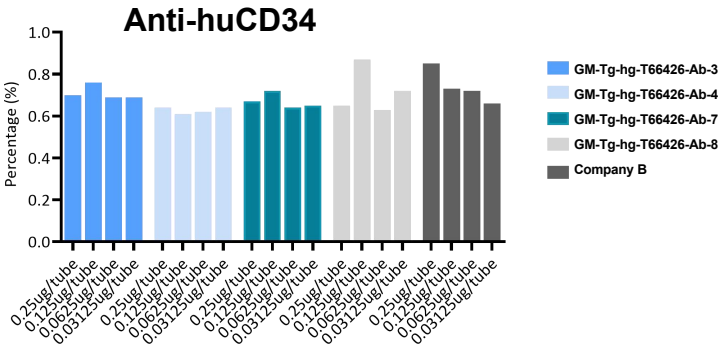
Size: 25T, 100T, 500T

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

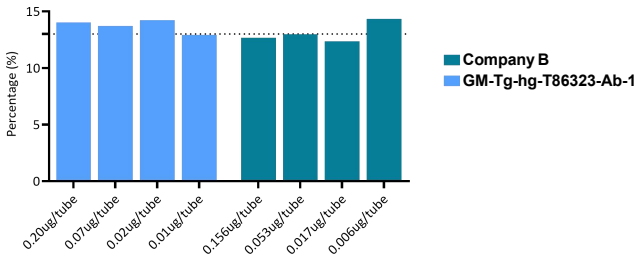
Anti-huCD66b



Anti-huCD34



Anti-huCD56



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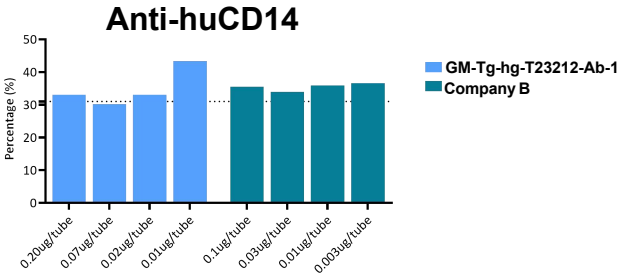

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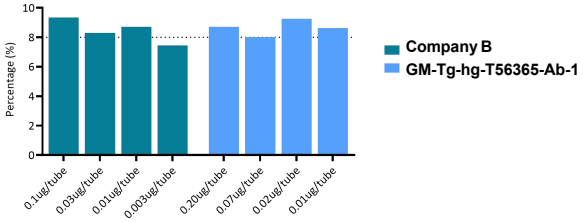

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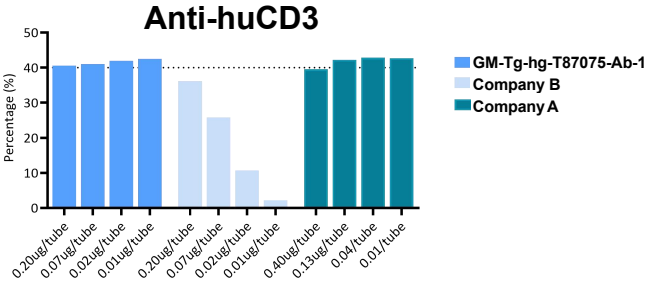
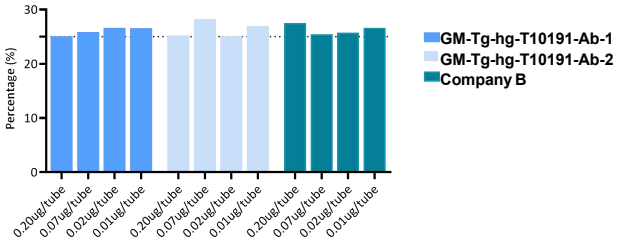
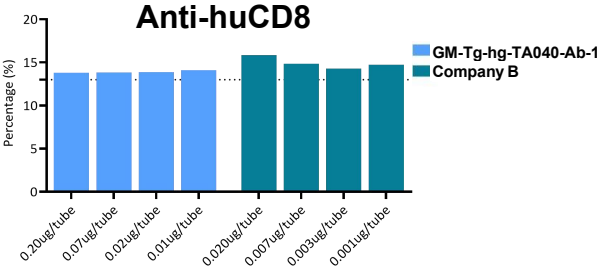


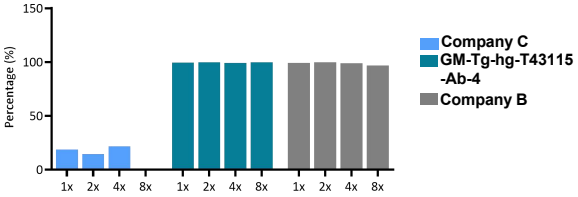
Anti-huCD4



Anti-huCD8



Anti-huCD45

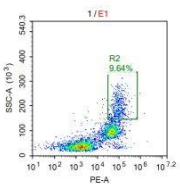


Conclusion:
GeneMedi's Anti-Human CD3 antibody, Anti-Human CD4 antibody, Anti-Human CD8 antibody, Anti-Human CD14 antibody, Anti-Human CD19 antibody, Anti-Human NCAM1 (CD56) antibody, Anti-Human CD45 antibody, Anti-Human CEAM8/ CEACAM8/ CD66b antibody , and Anti-Human CD34 antibody are validated to detect PBMC-derived specific cell types by flow cytometry.

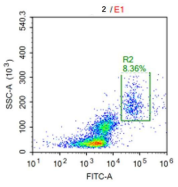
Cat No	Product Name
GM-Tg-hg-MP0250-Ab-3	Anti-Human CEAM8/ CEACAM8/ CD66b monoclonal antibody
GM-Tg-hg-T66426-Ab-3	Anti-Human CD34 monoclonal antibody
GM-Tg-hg-T66426-Ab-4	Anti-Human CD34 monoclonal antibody
GM-Tg-hg-T66426-Ab-7	Anti-Human CD34 monoclonal antibody
GM-Tg-hg-T66426-Ab-8	Anti-Human CD34 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

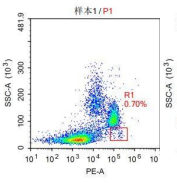


GM-Tg-hg-MP0250-Ab-3

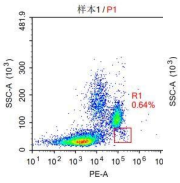


Company B

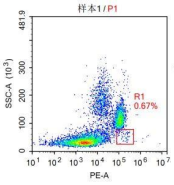
Anti-huCD34



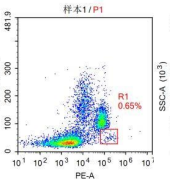
GM-Tg-hg-T66426-Ab-3



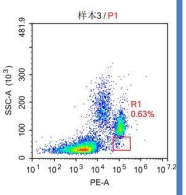
GM-Tg-hg-T66426-Ab-4



GM-Tg-hg-T66426-Ab-7

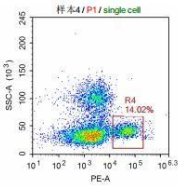


GM-Tg-hg-T66426-Ab-8

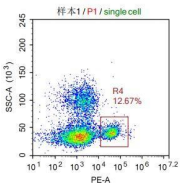


Company B

Anti-huCD56

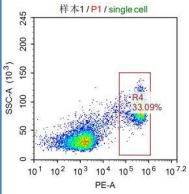


GM-Tg-hg-T86323-Ab-1

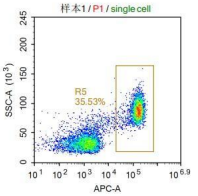


Company B

Anti-huCD14

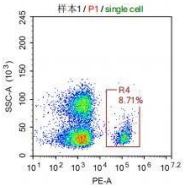


GM-Tg-hg-T23212-Ab-1

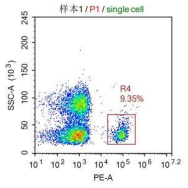


Company B

Anti-huCD19

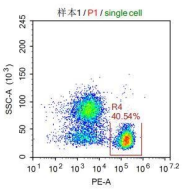


GM-Tg-hg-T56365-Ab-1

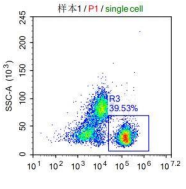


Company B

Anti-huCD3

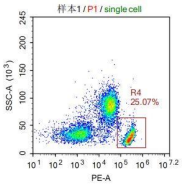


GM-Tg-hg-T87075-Ab-1

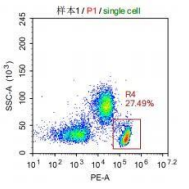


Company B

Anti-huCD4

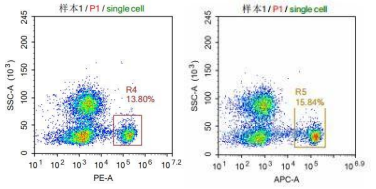


GM-Tg-hg-T10191-Ab-1



Company B

Anti-huCD8



GM-Tg-hg-TA040-Ab-1

Company B

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 SOLIDEX™ - CDEx Flow Cytometry unique Antibody is validated to detect PBMC-derived specific cell types by flow cytometry respectively.

Find more SOLIDEX™ -CDEx Antibody on:
www.GeneMedi.net

CAR-X CAR-Analytical Tools: Anti-FMC63, Anti-G4S linker, Anti-VHH (Naked/PE/APC/FITC)

CAR-X Good-Validated Premade Lenti-CAR Particles

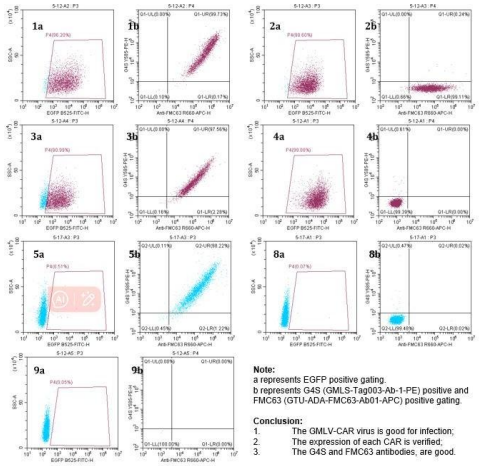
Product list

CAR-X Analytical Tools

Cat.No	Products Name	Description
GTU-ADA-FMC63-Ab01-PE200	Anti-FMC63 mAb(PE)	Specifically targeting the FMC63 scFv used in CD19 CAR constructs, this antibody plays a crucial role in assessing the specificity and functionality of CD19-directed CAR-T cells, highlighting our focus on delivering precision in CAR- T cell therapy.
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)	
GMLS-Tag003-Ab01-PE200	Anti-(G4S)n mAb(PE)	This antibody is expertly crafted to detect the G4S linker within CAR constructs, providing a reliable tool for monitoring CAR expression and ensuring the efficacy of CAR-T cell therapies. (n≥2)
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)	
GMLS-Tag002-Ab01-PE200	Anti-VHH mAb(PE)	Designed to recognize VHH1 domains, this antibody is a pivotal tool in the detection and analysis of CAR constructs that incorporate VHH1 domains. It offers a highly specific and sensitive means of verifying the presence and functionality of these innovative CAR constructs.
GMLS-Tag002-Ab01-FITC200	Anti-VHH mAb(FITC)	
GMLS-Tag002-Ab01-APC200	Anti-VHH mAb(APC)	

CAR-X Ready-to-use Lentivirus

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.



	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-Puromycinmycin	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

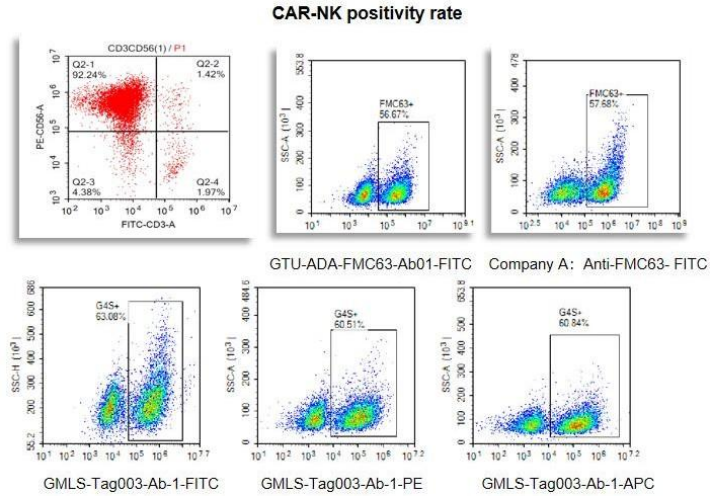


Figure 2. The GTU-ADA-FMC63-Ab01 and GMLS-Tag003-Ab-1 are validated to detect CAR-NK cells.

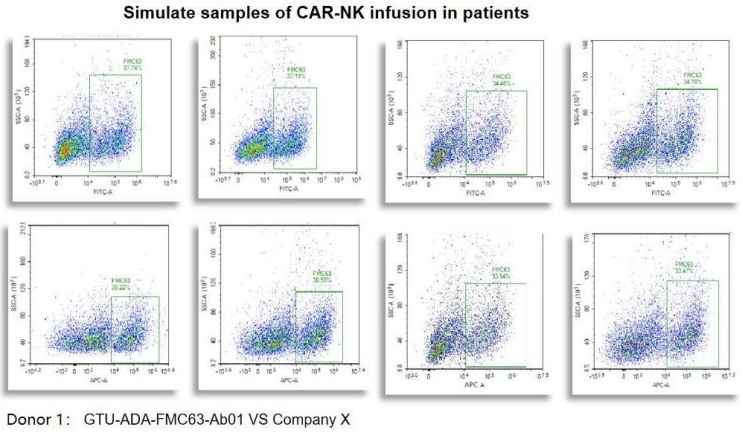


Figure 3. The GTU-ADA-FMC63-Ab01 is validated to detect Simulate samples of CAR-NK infusion in patients.

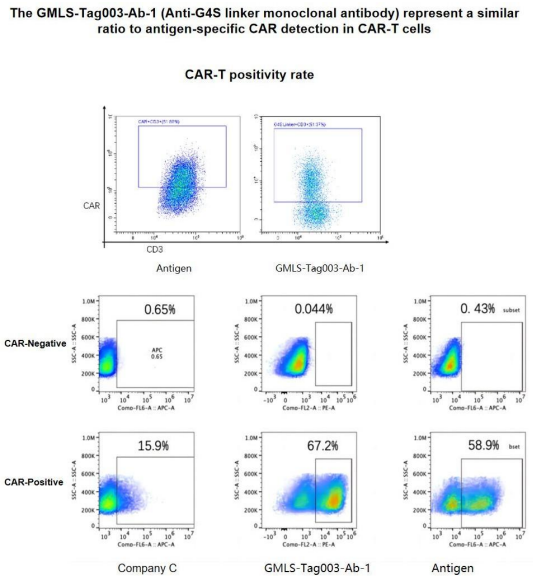


Figure 4. For detecting CAR-T cells, GeneMedi's GMLS-Tag003-Ab-1 detection background is lower, and the detection results are closer to specific antigen detection, compared to Company C.

About SOLIDEX™

About GeneMedi SOLIDEX™

SOLIDEX™ is GeneMedi's proprietary comprehensive solution for immune cell solution, dedicated to providing efficient and reliable tools for cell separation and analysis. This series includes the SOLIDEX™-ISOEx nanoscale non-destructive cell separation product matrix, SOLIDEX™-CDEx multi-color hypersensitive flow cytometry antibodies, and SOLIDEX™-TAGEx CAR multimodal analysis tools.

About GeneMedi SOLIDEX™-ISOEx

A. Platform of SOLIDEX™-ISOEx Nanobeads: GM-ExBeads™ & GM-LIBRA™

SOLIDEX™-ISOEx is GeneMedi's leading matrix of non-destructive cell separation nano-magnetic beads, based on the company's in-house GM-ExBeads™ microsphere modification development platform and high-affinity ligand evolution platform, GM-LIBRA™. The GM-ExBeads™ microsphere modification development platform utilizes 50 nm superparamagnetic iron oxide particles, delivering rapid and stable magnetic responsiveness to ensure controllable and highly reproducible separation processes. Furthermore, it incorporates GM-LIBRA™ engineered recombinant human Fc antibodies to minimize non-specific binding to cells associated with non-human antibodies.

B. Application and advantage of SOLIDEX™-ISOEx Nanobeads

GeneMedi's SOLIDEX™-ISOEx magnetic nanobeads technology encompasses both column-based (ISOEx-Enhanced) and column-free (ISOEx-Easy) variants, delivering versatile solutions tailored to diverse research and clinical needs.

1) Column-based (ISOEx-Enhanced)

The ISOEx-Enhanced column-based technology from GeneMedi boasts a refined design that leverages amplified magnetic fields within the column, ensuring unparalleled quality for exceptional purity, superior cell viability, and outstanding recovery rates. These magnetic nanobeads offer seamless compatibility with equipment from leading global manufacturers, enabling effortless one-step integrations and smooth transitions to maintain reliable, uninterrupted workflows.

2) Column-free (ISOEx-Easy)

In parallel, GeneMedi's pioneering ISOEx-Easy column-free magnetic nanobeads fuse the high purity, recovery efficiency, and viability-safeguarding advantages of nanoscale innovation with the intuitive convenience of column-free systems—marking a transformative leap in immune cell isolation and purification that drives the industry toward heightened efficiency and user-centric excellence.

About GeneMedi

GeneMedi specializes in creating superior antibody, protein, and vector-based bioproducts, revolutionizing diagnostics and biologics solutions.

At GeneMedi, innovation, product integrity, and scalable solutions form the cornerstone of our mission to advance the field of diagnostics and biologics. Our portfolio of antibodies, proteins, and vector-derived products is built on a foundation of unparalleled expertise in the following areas:

Innovative Antigen Design and Robust Assay Development

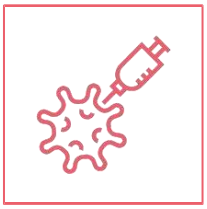
Our strategic focus on biomarkers and target analysis enables the creation of highly specific antigens and the development of robust assays, ensuring our products achieve superior performance in clinical and research settings.

Streamlined Molecular Discovery with Emphasis on Stability

Rapid Protein & Antibody Identification: Our proprietary platforms, **TAURUS™** for accelerated antibody discovery and **LIBRA™** for AI-driven protein evolution, are designed to identify and optimize molecules with optimal stability and functionality.

Cutting-Edge AAV & GCT Discoveries: The **G-NEXT™** platform is our answer to the industry's need for innovative AAV vectors, offering improved stability, efficiency, and safety for groundbreaking gene therapy approaches.

Scalable Production and Uncompromising Quality



High-Volume Protein & Antibody Manufacturing: Our facilities are equipped to handle large-scale production of up to 1000L per batch, ensuring high levels of purity and stability through stringent quality controls.

Advanced Vector Manufacturing Capabilities: In GeneMedi Vector Core (**GVC**), with a focus on AAV, Lentivirus, and VLP production up to 200L per batch, we employ sophisticated purification techniques to guarantee vector efficacy and integrity

Comprehensive Solutions for Diverse Application Needs

Diagnostics: Our diagnostic solutions leverage CLIA, LFA, ELISA and unique POCT platforms for comprehensive assay validation and clinical sample consistency, setting new standards in diagnostic accuracy.

Biologics: We specialize in the development of industrial solutions in up/downstream for therapeutic antibodies, AAV gene therapy, and Cell therapy technologies, ensuring our products and solutions can improve specificity, potency, and safety in the therapeutic industry.

GeneMedi (GM) is dedicated to delivering innovative and scalable biotechnological solutions, driving forward the fields of diagnostics and therapeutics with confidence and expertise. Contact with GM to reach your reliable industrial partner.