



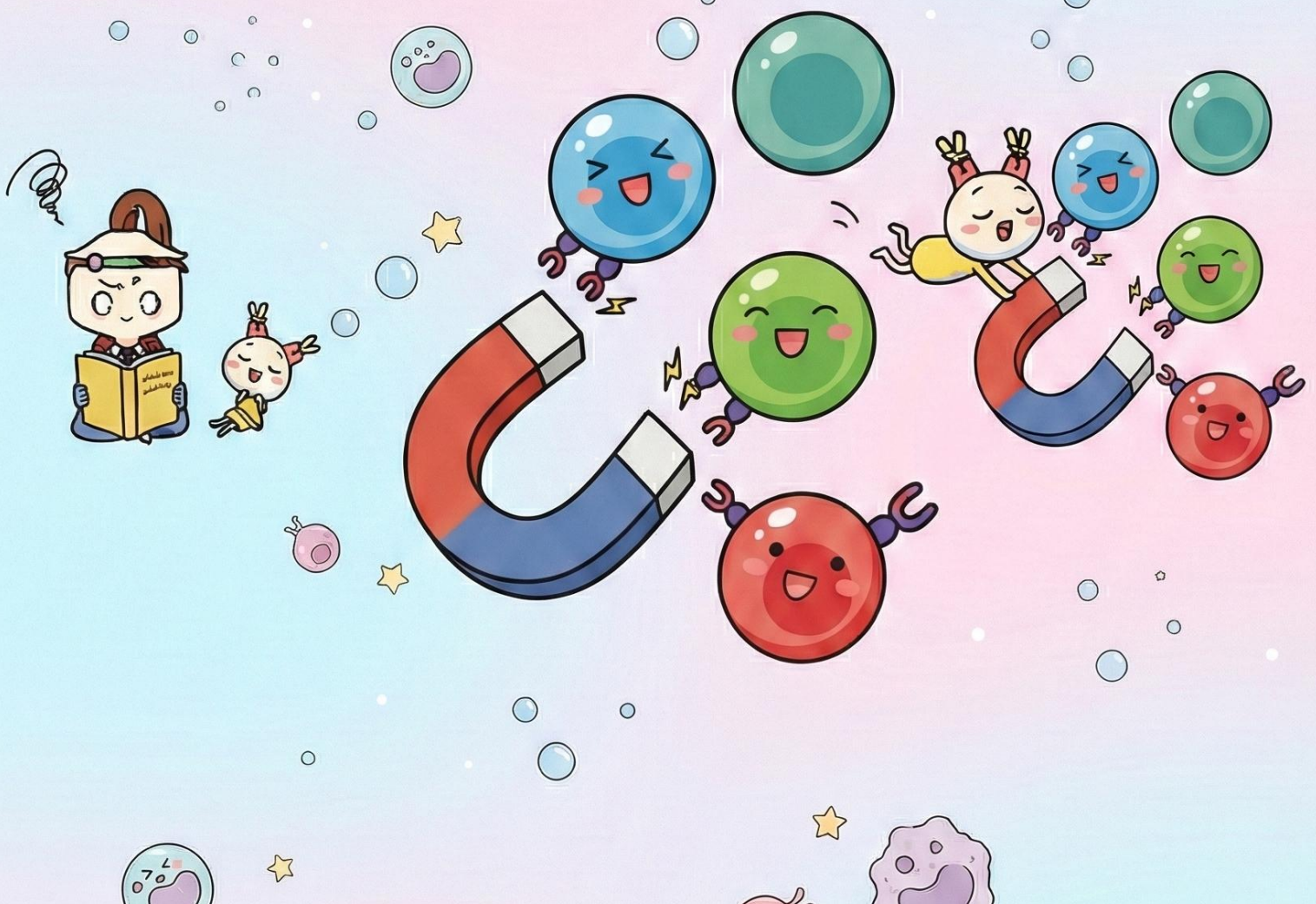
SOLIDEX™ Immune Cell Solution

Product Catalogue 2026

SOLIDEX™-ISOEx

Cell Isolation Kit & Nanobeads

ISOEx, Solid Isolation for Ex-cell Care



GENEMEDI
Innovative Solution
for Biologics & Diagnostics Industry



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

E.mail: support@genemedi.net



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

50nm Nanobeads × Column | Redefining the Purity and Yield of Cell Isolation



SOLIDEX™-ISOEx series is engineered for high-standard **industrial and research** applications, utilizing **50 nm superparamagnetic nanobeads** with superior biocompatibility and high-efficiency **column** magnetic separation technology.

GeneMedi offers a comprehensive human immune cell isolation solution for untouched cells free of surface antibodies or magnetic Nanobeads remnants.

🔬 Excellent Performance

- ✓ High cell purity
- ✓ High recovery rate
- ✓ High cell viability

🛡️ Zero Damage | Minimal Labelling

- ✓ No cell activation; Preserves the native cell state.
- ✓ Prevents non-specific binding.
- ✓ Cells can be directly used in functional assays.

⚡ Broad Compatibility | Time-Saving | Efficient

- ✓ Fully compatible with mainstream cell sorting platforms.
- ✓ Optimized Nanobeads formulation.
- ✓ Effectively saves experimental operation time.

🔗 Secure Supply Chain | Reliable Batch Stability

- ✓ Independently developed and manufactured nanobeads and antibody ligands.
- ✓ Guarantees strict batch consistency of the products.

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)



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

Supported Cell Types: Human immune cell, such as NK cell, CD3+/CD4+/CD8+/TCRα/β T cell, CD14+/CD34+/CD45RA+ cell.

Flexible 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.

Product List

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-CD14-Cell-iso-kit	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+ CD16-classical monocytes	GM-Tg-hg-T23212-iso-nanoIMB	SOLIDEX™-ISOEx Human CD14 Isolation Nanobeads (Column-based)	Positive selection
TCRα/β+ 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
Universal NanoBeads	GMP-SMT-219-Ab01-nanoIMB	SOLIDEX™-ISOEx anti-Biotin Nanobeads (Column-Based)	—
—	GMP-ISOEx-Column-1	SOLIDEX™-ISOEx L Column	—

Notes: The standard packaging for all kits and Nanobeads products is designed to process 1 × 10⁸, 5 × 10⁸, 1 × 10⁹ total cells (For larger bulk sizes, please contact GeneMedi).



SOLIDEX™-ISOEx Negative/Positive Selection (Column-based)

SOLIDEX™-ISOEx Untouched Human NK Cell Isolation Kit

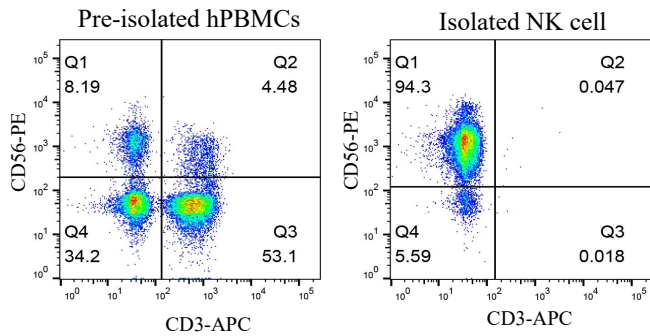


Figure 1. CD56+ NK Cell purity improved from 8.19% before isolation to 94.3% after isolation.

SOLIDEX™-ISOEx Untouched Human CD3+ Pan-T Cell Isolation Kit

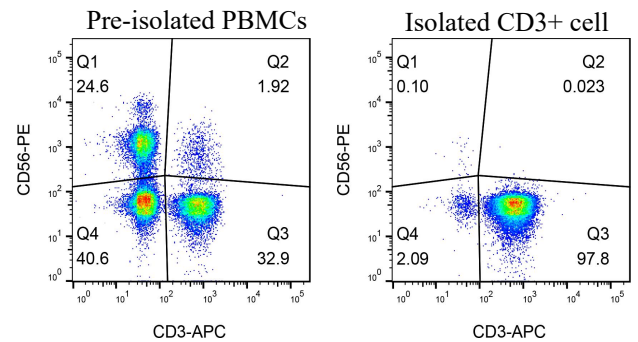


Figure 2. CD3+ T Cell purity improved from 32.9% before isolation to 97.6% after isolation.

SOLIDEX™-ISOEx Untouched Human Classical Monocyte Isolation Kit

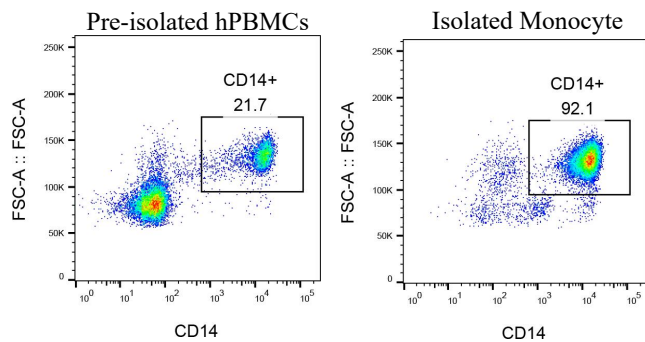


Figure 3. Monocyte purity improved from 21.7% before isolation to 92.1% after isolation.

SOLIDEX™-ISOEx Human CD3 Isolation Nanobeads

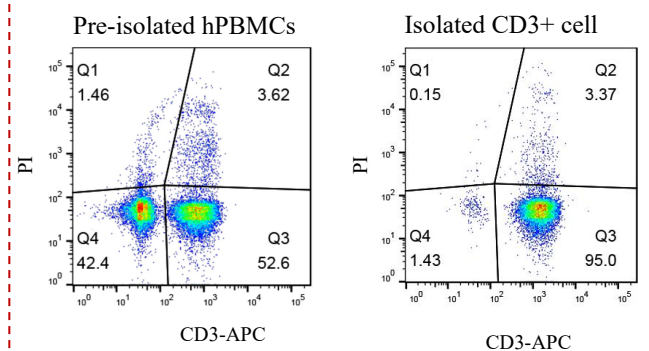


Figure 4. CD3+ T Cell purity improved from 52.6% before isolation to 95.0% after isolation.

SOLIDEX™-ISOEx Human CD4 Isolation Nanobeads

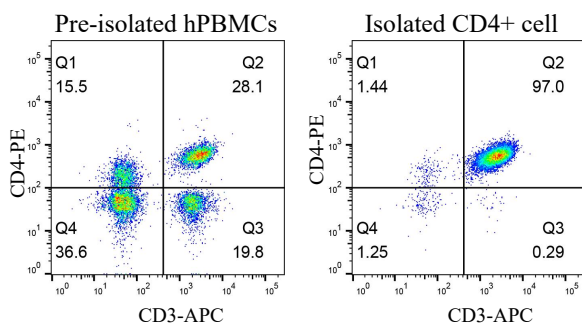


Figure 5. CD4+ T Cell purity improved from 28.1% before isolation to 97.0% after isolation.

SOLIDEX™-ISOEx Human CD8 Isolation Nanobeads

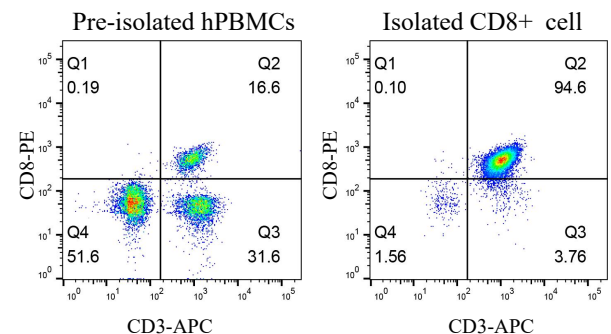


Figure 6. CD8+ T Cell purity improved from 16.6% before isolation to 94.6% after isolation.

SOLIDEX™-ISOEx Depletion Kits Efficiently Remove Non-Target Cells

SOLIDEX™-ISOEx Indirect Human TCRα/β + T Cell Depletion Kit (Column-based)

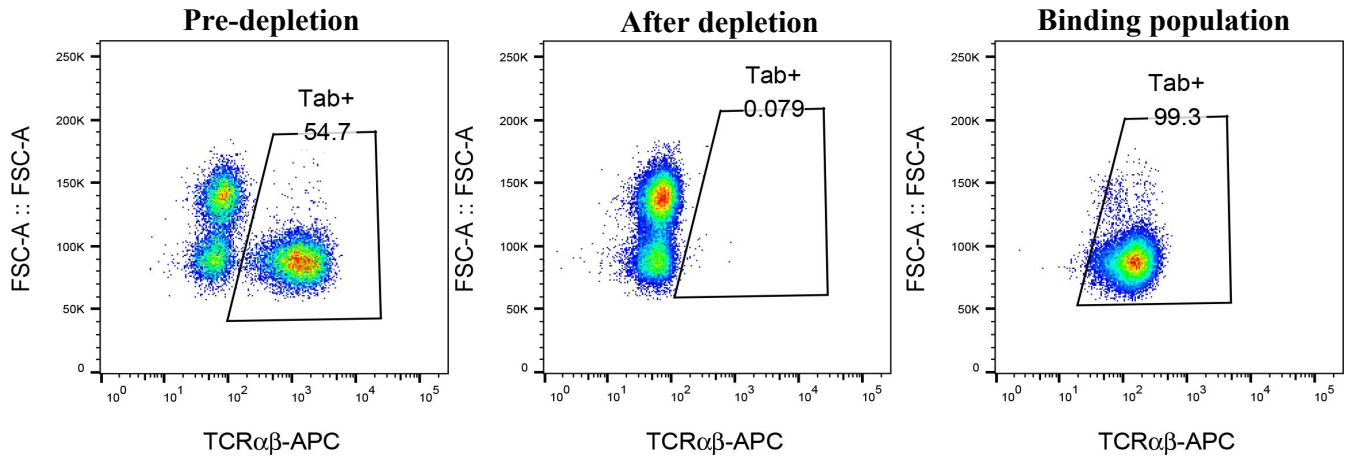


Figure 7. Results show that the proportion of TCRα/β+ T cells was 54.7% before depletion and dropped to 0.079% after depletion, with 99.3% of the TCR αβ+ T cells successfully captured by the column and recovered in the elution fraction.

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

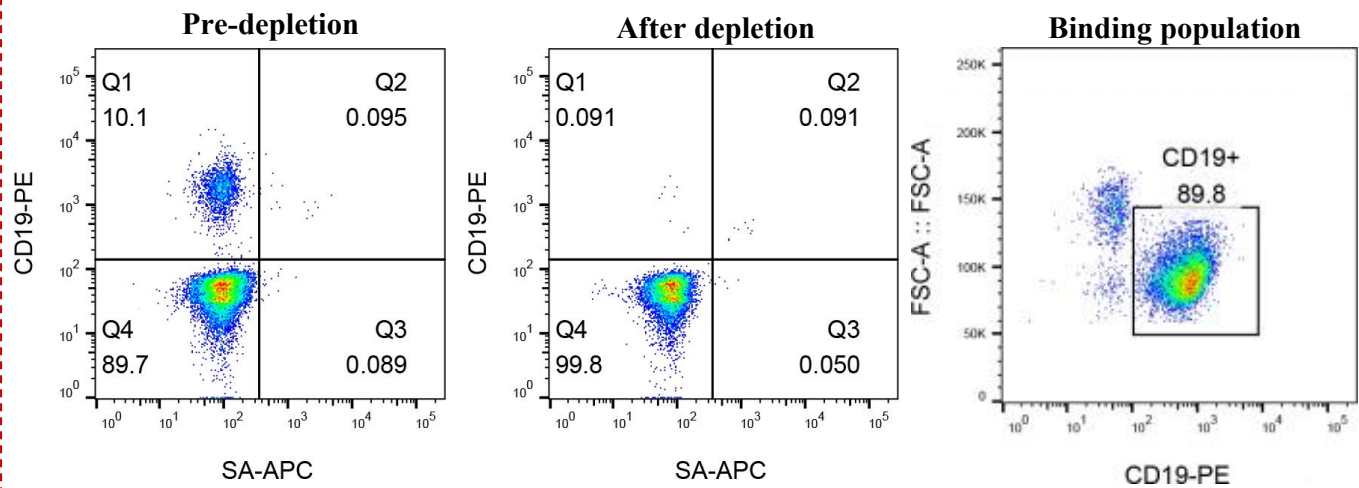


Figure 8. Results show that the proportion of CD19+ B cells in the sample decreased from 10.1% before depletion to 0.091% after depletion.

SOLIDEX™-ISOEx anti-Biotin Nanobeads (Column-Based)

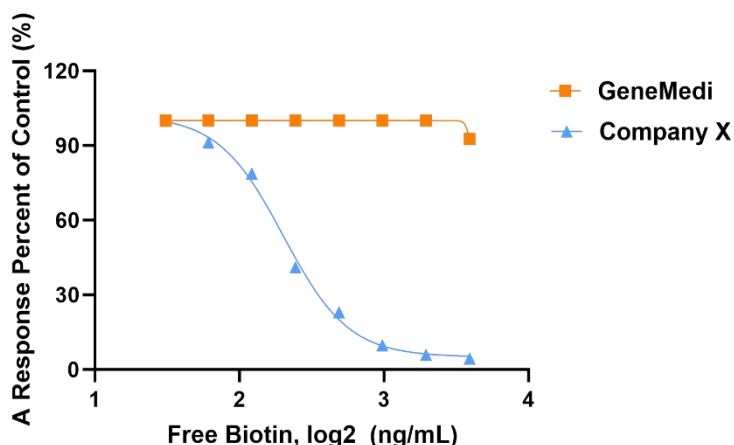


Figure 9. GeneMedi SOLIDEX™-ISOEx Anti-biotin Nanobeads (column-based) are unaffected by free biotin and exhibit high interference resistance.

Product Feature

- ✓ **Unaffected by endogenous free biotin** (suitable for whole blood)
- ✓ Compatible with conjugation of various antibodies
- ✓ Minimal magnetic bead labeling
- ✓ Gentle treatment: non-activating, minimal impact on downstream applications
- ✓ Suitable for rare cell isolation, such as CTCs or low-abundance immune cell subsets

SOLIDEX™-ISOEx L Column

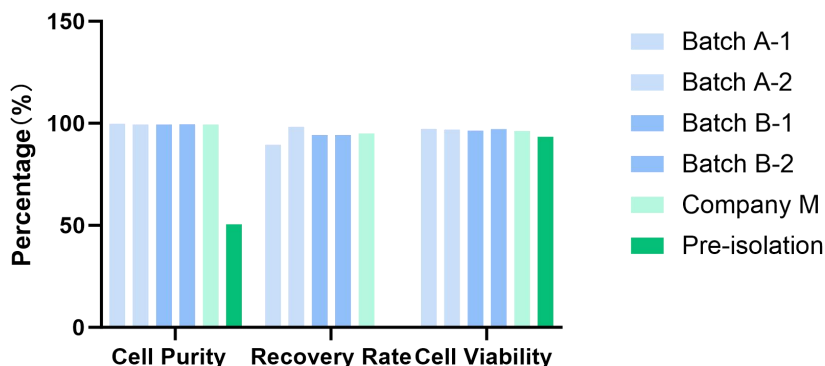


Figure 10. SOLIDEX™-ISOEx L Columns deliver outstanding results: post-processing cell purity, recovery, and viability are all >90%.

Product Highlights

- Effectively saves experimental time and consumable costs
- Simple and rapid operation
- **High compatibility:** compatible with various brands of magnetic beads and magnetic racks
- High purity, high recovery, high viability
- Lot-to-lot consistency



About GeneMedi

GeneMedi Founded in 2018 by a team of interdisciplinary experts with deep expertise in drug discovery, CMC process development, computational biology, materials chemistry, and more, GeneMedi is committed to empowering cell and gene therapy (CGT) development with high-efficiency purification and rigorous quality control solutions.



GENEMEDI
Innovative Solution
for Biologics & Diagnostics Industry

Our mission: Innovate biologics to empower gene and cell therapy. GeneMedi offer high-quality, efficient products and services worldwide through advanced technology and rigorous standards to speed up drug R&D.

SOLIDEX™-ISOEx Technical Platforms



GM-ExBeads™

Microsphere Engineering & Modification

Leveraging full-scale synthesis capabilities spanning from macroporous fillers to nanocarriers, combined with proprietary surface chemistry processes, it achieves oriented and ordered arrangement of ligands along with steric hindrance optimization, fundamentally eliminating non-specific aggregation at the physicochemical level.



GM-LIBRA™

AI-Driven Ligand Evolution

Focused on precise epitope prediction and directed ligand evolution. By utilizing AI to analyze antigen-antibody binding characteristics, it locks in suitable epitope antibodies, fundamentally enhancing capture efficiency and significantly reducing non-specific adsorption.



GM-ExImmune

Integrated Immune Cell Verification

Rigorously validates the physiological activity and functional integrity of sorted cells, enabling panoramic immunophenotyping analysis, multi-modal functional validation, and in-depth biological evaluation. It meets the demands of cutting-edge immunotherapies, including TCE and NK Engagers.

Core Advantages

International Quality Management System

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

Professional Team

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

Technology Innovation

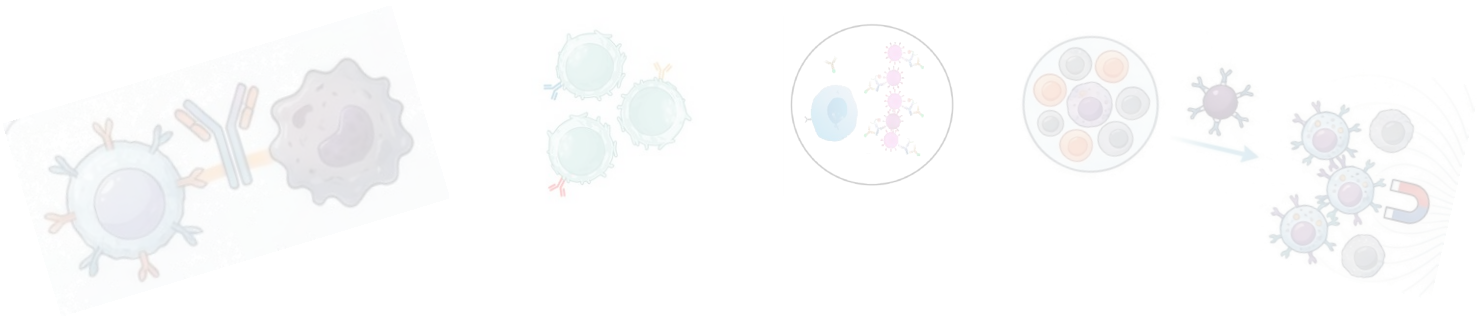
AI-driven product design platform integrated with a million-level biological big data database to speed up product iteration and enhance performance.

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GeneMedi Value

Human Benefits

Mr's Right in Hard

Curiosity & Creativity

Longtermism



Scan the QR Code
Request product samples

