

## Cell-Vive™ GMP MojoSort™ Streptavidin Nanobeads

**Catalog# / Size** 480196 / 100 µL  
480197 / 1 mL

**Description** Cell-Vive™ GMP MojoSort™ Streptavidin Nanobeads can be used for positive or negative selection of targeted cells with biotinconjugated antibodies. For positive selection, the magnetically labeled fraction is retained by the use of a magnetic separator. For negative selection, the untouched cells are collected by decanting the liquid in a clean tube. Either positive or negative selection cells can be used for downstream applications such as functional assays, gene expression, phenotypic characterization, etc.

Cell-Vive™ GMP MojoSort™ reagents are also compatible with column-based cell separation systems available from other vendors. Optimized protocols for cell separation using columns from in-house testing are provided for each kit under the "Related Protocols" section, as well as representative data on the product webpage (where available). Data generated using column separators are indicated on the figure legend.

Due to the property of the beads, MojoSort™ reagents typically require dilution for optimal use on column separators. Where available, recommended dilution factors for each kit component based on in-house testing are provided under the "Application Notes" section of the webpage.

**Quality Statement** BioLegend Cell-Vive™ GMP MojoSort™ Streptavidin Nanobeads are manufactured and tested in accordance with USP Chapter <1043>, Ancillary Materials for Cell, Gene and Tissue-Engineered Products and Ph. Eur. Chapter 5.2.12 in a dedicated GMP facility compliant with ISO 13485:2016.

Specifications and processes include:

- Low endotoxin level (< 5 EU/mL)
- Manufactured under animal component-free conditions
- Lot-specific sterility and mycoplasma testing
- Batch to-batch consistency
- Vendor qualification
- Raw material traceability and documentation
- Documented procedures and employee training
- Equipment maintenance and monitoring records
- Lot-specific certificates of analysis
- Quality audits per ISO 13485:2016
- QA review of released products

### Product Details

<b>Formulation</b>	Aqueous solution containing 0.3% recombinant HSA
<b>Endotoxin Level</b>	< 5 EU/mL
<b>Preparation</b>	Animal component-free, no preservatives
<b>Storage &amp; Handling</b>	4°C (2°C-8°C)
<b>Application</b>	<a href="#">Cell Sep-Neg - Quality tested</a> <a href="#">Cell Sep-Pos - Verified in house</a>
<b>Recommended Usage</b>	The concentration of Streptavidin Nanobeads to be used should be optimized by end users.
<b>Application Notes</b>	The Streptavidin Nanobeads are designed for the positive or negative isolation of cells when used with biotin-conjugated antibodies or similar reagents.
<b>Application References</b>	1. Guo H, <i>et al.</i> 2016. <i>PLoS One.</i> 11(3):e0150809. ( <a href="#">PubMed</a> )
<b>(PubMed link indicates BioLegend citation)</b>	
<b>Disclaimer</b>	BioLegend Cell-Vive™ GMP MojoSort™ Streptavidin Nanobeads are for research use only. Suitable for <i>ex vivo</i> cell processing. Not for use in diagnostic or therapeutic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

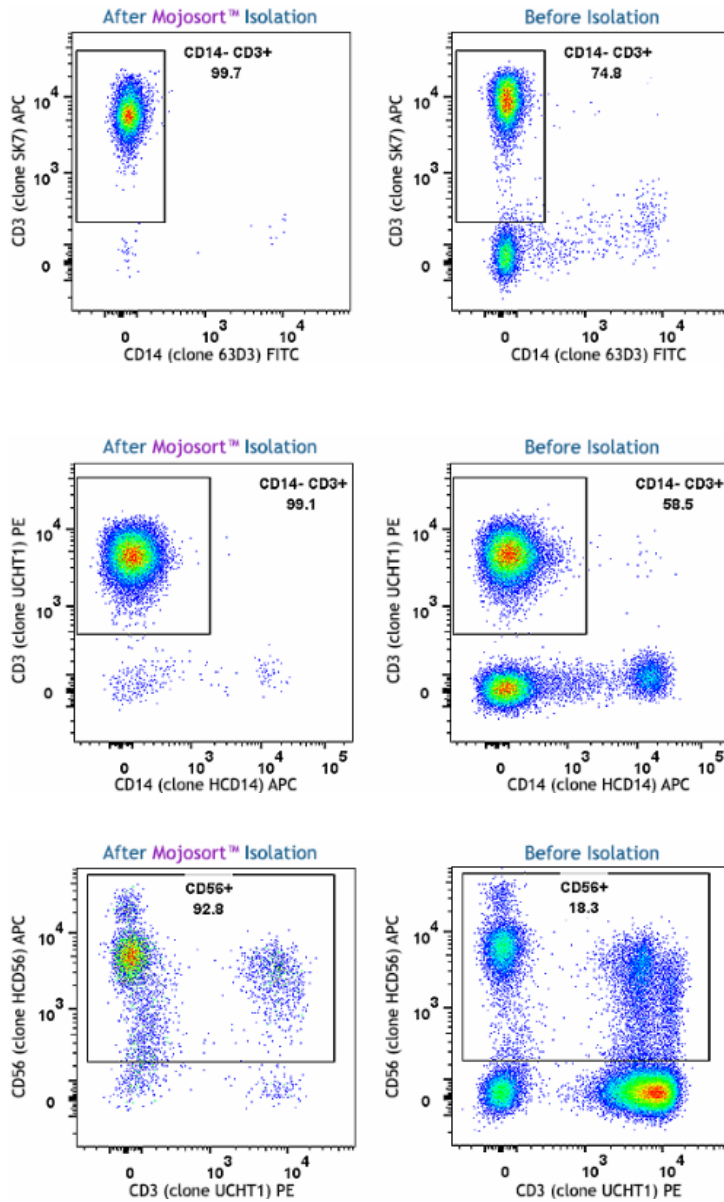
### Antigen Details

**Gene ID** NA

## Related Protocols

- [MojoSort™ Streptavidin Nanobeads Protocol - Negative Selection](#)
- [MojoSort™ Streptavidin Nanobeads Protocol - Positive Selection](#)
- [MojoSort™ Streptavidin Nanobeads Column Protocol – Positive Selection](#)
- [MojoSort™ Streptavidin Nanobeads Column Protocol – Negative Selection](#)
- [MojoSort™ General Protocol - Video](#)

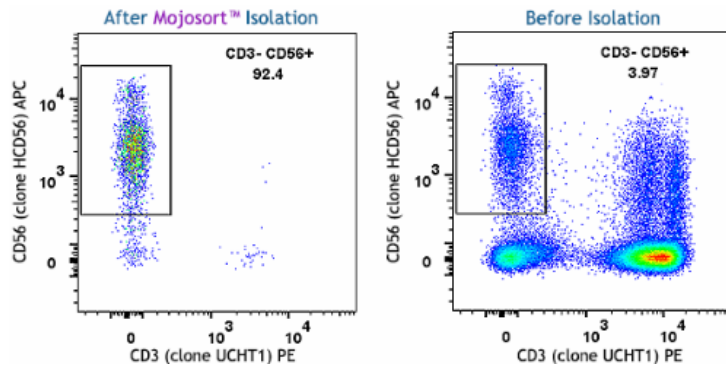
## Product Data



CD3+ cells were positively selected from a single cell suspension of human peripheral blood mononuclear cells using Cell-Vive™ GMP MojoSort™ Streptavidin Nanobeads and GMP Ultra-LEAF™ Serum Free anti-human CD3 (Clone OKT3) Biotin (Cat. No. 317357). Separations were performed in Cell-Vive™ GMP Chemically Defined Cell Separation Buffer (Cat. No. 420512). Cells were stained with anti-human CD3 (clone SK7) FITC (Cat. No. 344804) and anti-human CD14 (clone 63D3) APC (Cat. No. 367118). The analysis was pre-gated with anti-human CD45 (clone HI30) APC/Fire750 (Cat. No. 304062) staining. Dead cells were excluded using Helix NP™ Blue (Cat. No. 425305) viability dye.

CD3+ cells were negatively isolated from a single cell suspension of human peripheral blood mononuclear cells using Cell-Vive™ GMP MojoSort™ Streptavidin Nanobeads and MojoSort™ Human CD3 T Cell Isolation Kit (Cat. No. 480022) Biotin-Antibody Cocktail. Separations were performed in Cell-Vive™ GMP Chemically Defined Cell Separation Buffer (Cat. No. 420512). Cells were stained with anti-human CD3 (clone UCHT1) PE (Cat. No. 300408) and anti-human CD14 (clone HCD14) APC (Cat. No. 325608). The analysis was pre-gated with anti-human CD45 (clone HI30) FITC (Cat. No. 304006) staining. Dead cells were excluded using Helix NP™ Blue (Cat. No. 425305) viability dye.

CD56+ cells were positively selected from a single cell suspension of human peripheral blood mononuclear cells using Cell-Vive™ GMP MojoSort™ Streptavidin Nanobeads and Cell-Vive™ GMP Ultra-LEAF™ Serum Free anti-human CD56 (clone 5.1H11) Biotin (Cat. No. 480054). Separations were performed in Cell-Vive™ GMP Chemically Defined Cell Separation Buffer (Cat. No. 420512). Cells were stained with anti-human CD56 (clone HCD56) APC (Cat. No. 318310) and anti-human CD3 (clone UCHT1) PE (Cat. No. 300408). The analysis was pre-gated with anti-human CD45 (clone HI30) FITC (Cat. No. 304006) staining. Dead cells were excluded using Helix NP™ Blue (Cat. No. 425305) viability dye.



NK cells were negatively isolated from a single cell suspension of human peripheral blood mononuclear cells using Cell-Vive™ GMP MojoSort™ Streptavidin Nanobeads and MojoSort™ Human NK Cell Isolation Kit (Cat. No. 480054) Biotin-Antibody Cocktail. Separations were performed in Cell-Vive™ GMP Chemically Defined Cell Separation Buffer (Cat. No. 420512). Cells were stained with anti-human CD56 (clone HCD56) APC (Cat. No. 318310) and anti-human CD3 (clone UCHT1) PE (Cat. No. 300408). The analysis was pre-gated with anti-human CD45 (clone HI30) FITC (Cat. No. 304006) staining. Dead cells were excluded using Helix NP™ Blue (Cat. No. 425305) viability dye.

For Research Use Only. Suitable for *ex vivo* cell processing. Not for injection or diagnostic or therapeutic use.

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