

# MojoSort™ Streptavidin Nanobeads

<b>Catalog# / Size</b>	480015 / 100 µL 480016 / 1 mL
<b>Regulatory Status</b>	RUO
<b>Description</b>	<p>Streptavidin Nanobeads can be used for positive or negative selection of targeted cells with biotin-conjugated 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.</p> <p>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.</p> <p>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.</p>

## Product Details

<b>Formulation</b>	Aqueous solution containing BSA and 0.05% sodium azide.
<b>Preparation</b>	Streptavidin-conjugated particles: protein-coated magnetic nanobeads.
<b>Storage &amp; Handling</b>	Streptavidin Nanobeads should be stored undiluted between 2°C and 8°C.
<b>Application</b>	<a href="#">Cell Separation (MojoSort™) - Quality tested</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>Additional Product Notes</b>	<p>View more applications data using this product to <a href="#">isolate mouse T and B cells</a> and <a href="#">microglia</a> in our Scientific Poster Library.</p> <p>Watch a <a href="#">Scientific Poster video</a> of this product.</p>
<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>Product Citations</b>	<ol style="list-style-type: none"> <li>Guo H, Cooper S, Friedman A, <i>et al.</i> 2017. <i>PLoS One</i>. 10.1371/journal.pone.0150809. <a href="#">PubMed</a></li> <li>Downes DJ, <i>et al.</i> 2021. <i>Nat Commun</i>. 0.86875. <a href="#">PubMed</a></li> <li>Mitchell MI, <i>et al.</i> 2021. <i>J Extracell Vesicles</i>. 10:e12110. <a href="#">PubMed</a></li> <li>Rogers KJ, <i>et al.</i> 2021. <i>J Leukoc Biol</i>. 109:309. <a href="#">PubMed</a></li> <li>Dietmar Herndler-Brandstetter <i>et al.</i> 2018. <i>Immunity</i>. 48(4):716-729 . <a href="#">PubMed</a></li> <li>Song J, <i>et al.</i> 2021. <i>Cancer Commun (Lond)</i>. 41:867. <a href="#">PubMed</a></li> <li>Knittel J, <i>et al.</i> 2022. <i>STAR Protoc</i>. 3:101632. <a href="#">PubMed</a></li> <li>Zeis P, <i>et al.</i> 2020. <i>Immunity</i>. 53:775. <a href="#">PubMed</a></li> <li>Aoto M, <i>et al.</i> 2019. <i>FEBS Open Bio</i>. 9:291. <a href="#">PubMed</a></li> <li>Laubretton D, <i>et al.</i> 2020. <i>Viruses</i>. 12:00. <a href="#">PubMed</a></li> <li>Fujimoto M, <i>et al.</i> 2022. <i>Nat Commun</i>. 13:5408. <a href="#">PubMed</a></li> <li>Kenney D, <i>et al.</i> 2022. <i>Methods Mol Biol</i>. 2580:211. <a href="#">PubMed</a></li> </ol>

## Antigen Details

<b>Gene ID</b>	NA
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## Related Protocols

[MojoSort™ Streptavidin Nanobeads Protocol - Negative Selection](#)

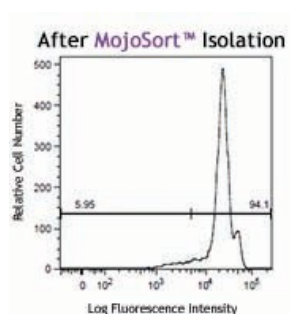
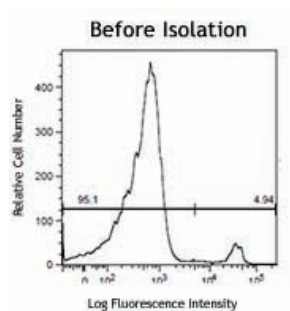
[MojoSort™ Streptavidin Nanobeads Protocol - Positive Selection](#)

[MojoSort™ Streptavidin Nanobeads Column Protocol – Positive Selection](#)

[MojoSort™ Streptavidin Nanobeads Column Protocol – Negative Selection](#)

[MojoSort™ General Protocol - Video](#)

## Product Data



A single cell suspension from human peripheral blood mononuclear cells (PBMCs) was prepared to isolate CD14<sup>+</sup> cells using the Streptavidin Nanobeads. Cells were stained with CD14 (clone M5E2) FITC.

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