

MojoSort™ Mouse CD4 Nanobeads

Catalog# / Size	480069 / 20 tests 480070 / 200 tests
Regulatory Status	RUO
Description	<p>CD4⁺ expressing cells are either selected or depleted by incubating your sample with the directly conjugated CD4 Nanobeads, after blocking with TruStain FcX™ (anti-mouse CD16/32) Antibody. The magnetically labeled fraction is retained by the use of a magnetic separator. After collection of the CD4⁺ cells, downstream applications include 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>

Kit Contents

Kit Contents	For Cat# 480069 <ul style="list-style-type: none">• 1 vial containing 200 µl of Mouse CD4 Nanobeads• 1 vial containing 100 µl of TruStain FcX™ (anti-mouse CD16/32) Antibody For Cat# 480070 <ul style="list-style-type: none">• 2 vials containing 1 ml each of Mouse CD4 Nanobeads• 1 vial containing 1 ml of TruStain FcX™ (anti-mouse CD16/32) Antibody
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Product Details

Verified Reactivity	Mouse
Formulation	Aqueous solution containing BSA and 0.05% sodium azide.
Preparation	Antibody-conjugated particles: protein-coated magnetic nanobeads.
Storage & Handling	Mouse CD4 Nanobeads should be stored undiluted at 2°C and 8°C. TruStain FcX™ (anti-mouse CD16/32) Antibody should be stored undiluted at 2°C and 8°C.
Application	Cell Separation (MojoSort™) - Quality tested
Recommended Usage	5 µl of TruStain FcX™ (anti-mouse CD16/32) Antibody for 1x10 ⁷ cells in 100 µl of buffer. 10 µl of Mouse CD4 Nanobeads for 1x10 ⁷ cells in 100 µl of buffer.
Application Notes	<p>This kit is designed for the positive selection or depletion of mouse CD4⁺ cells from lymphoid tissues.</p> <p>Antibody or cocktail dilution to use in column: N/A Nanobead dilution to use in columns: 5.3X</p>
Additional Product Notes	<p>Please note, we have revised the kit contents of this product. If you received an older version of this kit that contained Rat serum, you should store the Rat serum at -20°C. The Mouse CD4 Nanobeads should be stored undiluted between 2°C and 8°C.</p>

Antigen Details

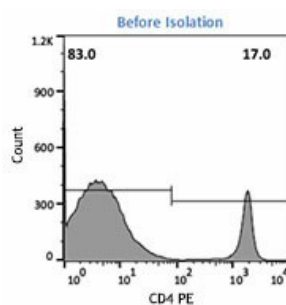
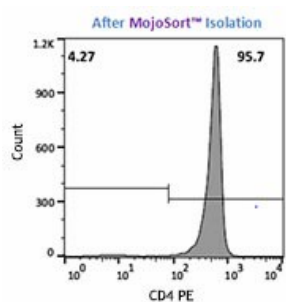
Biology Area	Immunology
Molecular Family	CD Molecules
Gene ID	NA

Related Protocols

[MojoSort™ General Protocol - Video](#)

[MojoSort™ Mouse CD4 Nanobeads Protocol](#)

Product Data



A single cell suspension from C57BL/6 mouse spleen was prepared to isolate CD4⁺ cells using the MojoSort™ Mouse CD4 Nanobeads. Cells were stained with CD4 (RM4-4) PE. Dead cells were excluded by 7-AAD.

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BioLegend Inc., 8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587