

MojoSort™ Mouse CD11c Nanobeads

Catalog# / Size	480077 / 20 tests 480078 / 200 tests
Regulatory Status	RUO
Description	<p>CD11c⁺ expressing cells are either selected or depleted by incubating your sample with the directly conjugated CD11c 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 or depletion of the CD11c⁺ 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	<p>For Cat# 480077:</p> <ul style="list-style-type: none">• 1 vial containing 200 µl of Mouse CD11c Nanobeads• 2 vials containing 100 µl of TruStain FcX (anti-mouse CD16/32 antibody) <p>For Cat# 480078:</p> <ul style="list-style-type: none">• 2 vials of 1 ml each of Mouse CD11c Nanobeads• 2 vials of 1 ml each 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 CD11c 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	10 µl Mouse CD11c Nanobeads for 1x10 ⁷ cells in 100 µL of buffer. 10 µl of TruStain FcX (Anti-mouse CD16/32 antibody) for 1x10 ⁷ cells in 100 µl of buffer.
Application Notes	<p>This kit is designed for the positive selection or depletion of mouse CD11c⁺ cells from lymphoid tissues.</p> <p>Antibody or cocktail dilution to use in column: N/A Nanobead dilution to use in columns: 50X</p>

Antigen Details

Biology Area	Immunology, Innate Immunity, Costimulatory Molecules
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Molecular Family	CD Molecules
Gene ID	NA

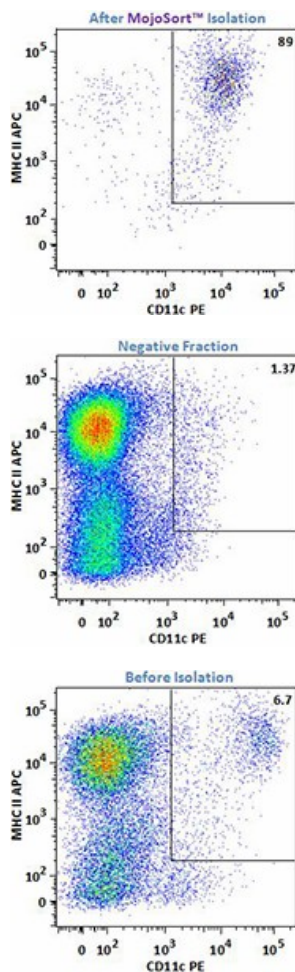
Related Protocols

[MojoSort™ Mouse CD11c Nanobeads Protocol](#)

[MojoSort™ Mouse CD11c Nanobeads Column Protocol](#)

[MojoSort™ General Protocol - Video](#)

Product Data



C57BL/6 mouse spleen was digested with collagenase and DNase I. A single cell suspension was prepared to isolate CD11c positive cells using MojoSort™ Mouse CD11c Nanobeads. Cells were stained with CD11c (clone N418) PE and MHC II (clone M5/114.15.2) APC. Dead cells were excluded by 7AAD.

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