

MojoSort™ Mouse P2RY12 Selection Kit

Catalog# / Size	480113 / 10 tests 480114 / 100 tests
Regulatory Status	RUO
Description	<p>Mouse P2RY12⁺ cells are either selected or depleted by incubating the sample with the biotin conjugated anti-mouse P2RY12 antibody, followed by Streptavidin Nanobeads. The magnetically labeled fraction is retained by the use of a magnetic separator. Cells collected after magnetic separation can be used for various downstream applications, including functional assays, gene expression analyses, and other phenotypic characterizations.</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# 480113:</p> <ul style="list-style-type: none">• 100 µl of Biotin-Antibody Cocktail: Biotin anti-mouse P2RY12 Antibody (Clone S16007D)• 100 µl Streptavidin Nanobeads <p>For Cat# 480114:</p> <ul style="list-style-type: none">• 1 ml of Biotin-Antibody Cocktail: Biotin anti-mouse P2RY12 Antibody (Clone S16007D)• 1 ml Streptavidin Nanobeads
---------------------	---

Product Details

Verified Reactivity	Mouse
Formulation	Cocktail: Phosphate buffer solution containing 0.09% sodium azide, 0.5% BSA, pH 7.2 with stabilizer. Streptavidin Nanobeads: Aqueous solution containing 0.05% sodium azide and 0.3% BSA.
Preparation	The antibodies were purified by affinity chromatography, and conjugated with biotin under optimal conditions. Conjugated nanobeads: Protein-coated magnetic beads.
Storage & Handling	Antibody cocktail and Streptavidin Nanobeads should be stored undiluted between 2°C and 8°C.
Application	Cell Separation (MojoSort™) - Quality tested
Recommended Usage	10 µl of antibody cocktail for 1 X 10 ⁶ cells in 100 µl of buffer. 10 µl Streptavidin Nanobeads for 1 X 10 ⁶ cells in 100 µl of buffer.
Application Notes	<p>This kit is designed for the positive selection of mouse microglia cells from neonatal and adult brain.</p> <p>Each lot has been individually optimized. Do not mix and match components from different lots or different kits.</p> <p>Antibody or cocktail dilution to use in column: 40X Nanobead dilution to use in columns: 12X</p>

Antigen Details

Biology Area	Cell Biology, Neuroscience, Neuroscience Cell Markers
Molecular Family	GPCR
Gene ID	NA

Related Protocols

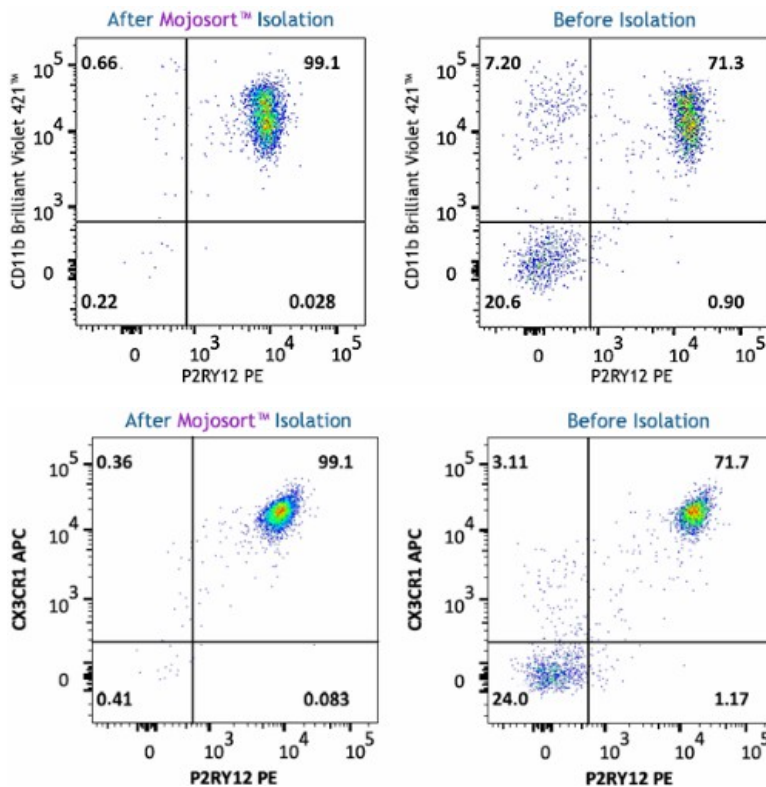
[MojoSort™ Selection Kits Column Protocol - 5](#)

[MojoSort™ General Protocol - Video](#)

[Whole Mouse Brain Processing for Microglia Isolation, Cell Separation, and Flow Cytometry](#)

[MojoSort™ Selection Kits Protocol - 5](#)

Product Data



A single cell suspension from adult C57BL/6 brain was prepared using Trypsin digestion and 70/37/30% percoll gradient for positive selection of P2RY12⁺ cells using the MojoSort™ Mouse P2RY12 Selection Kit. Cells were stained with either anti-mouse P2RY12 (clone S16007D) PE and anti-mouse CD11b (clone M1/70) Brilliant Violet 421™ or anti-mouse CX3CR1 (clone SA011F11) APC. Dead cells were excluded by 7-AAD.

A single cell suspension from adult C57BL/6 brain was prepared using Trypsin digestion and 70/37/30% percoll gradient for positive selection of P2RY12⁺ cells using the MojoSort™ Mouse P2RY12 Selection Kit. Cells were stained with either anti-mouse P2RY12 (clone S16007D) PE and anti-mouse CD11b (clone M1/70) Brilliant Violet 421™ or anti-mouse CX3CR1 (clone SA011F11) APC. Dead cells were excluded by 7-AAD.

For research use only. Not for diagnostic 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.

*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

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