

ARG42334 anti-CD206 / MMR antibody [15-2] (FITC)

Package: 50 tests

Store at: 4°C

Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody [15-2] recognizes CD206 / MMR
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The mouse monoclonal antibody 15-2 (also known as MR15-2) recognizes an extracellular epitope of CD206 (macrophage mannose receptor, MMR), a 162-175 kDa type I transmembrane protein expressed mainly on macrophages, dendritic cells and hepatic or lymphatic endothelial cells, but not on monocytes.
Host	Mouse
Clonality	Monoclonal
Clone	15-2
Isotype	IgG1, kappa
Target Name	CD206 / MMR
Species	Human
Immunogen	Purified Human MMR.
Conjugation	FITC
Alternate Names	CLEC13D; C-type lectin domain family 13 member D; Macrophage mannose receptor 1-like protein 1; C-type lectin domain family 13 member D-like; MMR; CLEC13DL; CD206; Macrophage mannose receptor 1; bA541I19.1; CD antigen CD206; MRC1L1

Application Instructions

Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>FACS</td><td>4 µl / 100 µl of whole blood or 10⁶ cells</td></tr></tbody></table>	Application	Dilution	FACS	4 µl / 100 µl of whole blood or 10 ⁶ cells
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FACS	4 µl / 100 µl of whole blood or 10 ⁶ cells				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				

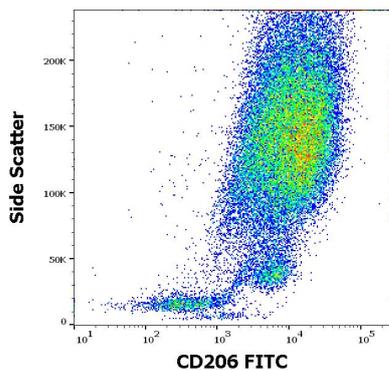
Properties

Form	Liquid
Purification	Purified
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

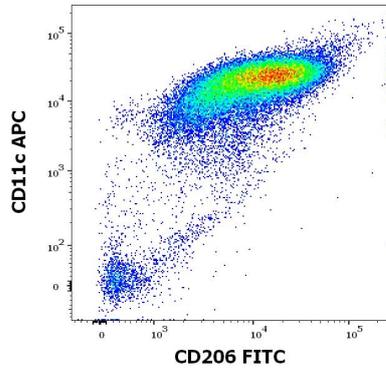
Gene Symbol	MRC1
Gene Full Name	mannose receptor, C type 1
Background	The recognition of complex carbohydrate structures on glycoproteins is an important part of several biological processes, including cell-cell recognition, serum glycoprotein turnover, and neutralization of pathogens. The protein encoded by this gene is a type I membrane receptor that mediates the endocytosis of glycoproteins by macrophages. The protein has been shown to bind high-mannose structures on the surface of potentially pathogenic viruses, bacteria, and fungi so that they can be neutralized by phagocytic engulfment. [provided by RefSeq, Sep 2015]
Function	Mediates the endocytosis of glycoproteins by macrophages. Binds both sulfated and non-sulfated polysaccharide chains. (Microbial infection) Acts as phagocytic receptor for bacteria, fungi and other pathogens. (Microbial infection) Acts as a receptor for Dengue virus envelope protein E. (Microbial infection) Interacts with Hepatitis B virus envelope protein. [UniProt]
Highlight	Related products: CD206 antibodies ; CD206 ELISA Kits ; CD206 Duos / Panels ; Anti-Mouse IgG secondary antibodies ; Related news: Anti-SerpinB9 therapy, a new strategy for cancer therapy RIP1 activation and pathogenesis of NASH
Calculated Mw	166 kDa
Cellular Localization	Endosome membrane; Single-pass type I membrane protein. Cell membrane; Single-pass type I membrane protein. [UniProt]

Images



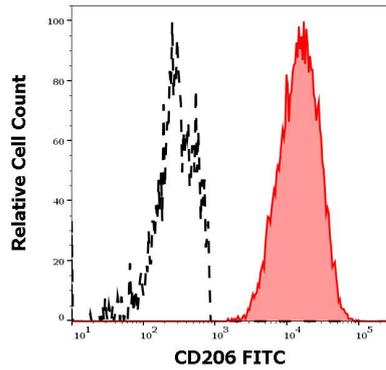
ARG42334 anti-CD206 / MMR antibody [15-2] (FITC) FACS image

Flow Cytometry: Human stimulated monocytes (GM-CSF + IL-4) stained with ARG42334 anti-CD206 / MMR antibody [15-2] (FITC) at $4 \mu\text{l} / 10^6$ cells in $100 \mu\text{l}$ of cell suspension.



ARG42334 anti-CD206 / MMR antibody [15-2] (FITC) FACS image

Flow Cytometry: Human stimulated monocytes (GM-CSF + IL-4) stained with ARG42334 anti-CD206 / MMR antibody [15-2] (FITC) at 4 μ l / 10^6 cells in 100 μ l of cell suspension and [ARG53761](#) anti-CD11c antibody [BU15] (APC) at 10 μ l / 10^6 cells in 100 μ l of cell suspension.



ARG42334 anti-CD206 / MMR antibody [15-2] (FITC) FACS image

Flow Cytometry: Separation of Human CD206 positive CD11c positive dendritic cells differentiated upon monocyte stimulation (GM-CSF + IL-4) (red-filled) from non-stimulated lymphocytes (black-dashed). Cells were stained with ARG42334 anti-CD206 / MMR antibody [15-2] (FITC) at 4 μ l / 100 μ l of peripheral whole blood.