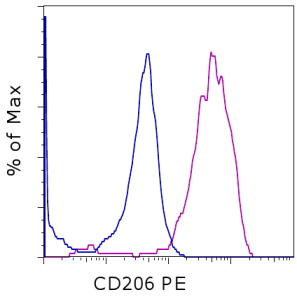
Anti-Human CD206 (MMR) PE

Catalog Number: 12-2069
Also known as: Macrophage mannose receptor
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of 3-day GM-CSF-stimulated (purple histogram) or unstimulated (blue histogram) normal human peripheral blood cells with Anti-Human CD206 (MMR) PE. Cells in the monocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD206 (MMR) PE
REF **Catalog Number:** 12-2069
Clone: 19.2
Concentration: 5 uL (0.125 ug)/test
Host/Isotype: Mouse IgG1, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.
LOT **Batch Code:** Refer to vial
Use By: Refer to vial
Contains sodium azide

Description

This 19.2 monoclonal antibody reacts with human CD206, which is also known as the macrophage mannose receptor (MMR). CD206 is expressed on macrophages and dendritic cells. This type I transmembrane protein can also be detected on non-immune cells, including hepatic and lymphathic epithelia and kidney mesengial cells. CD206 binds to glycoproteins that terminate in D-mannose, L-fucose, or N-acetylglucosamine, as well as a variety of hormones. This receptor undergoes constitutive internalization and recycling between the plasma membrane and the endosomal compartment. CD206 is involved in antigen processing and presentation, cell migration, and intracellular signaling. Moreover, CD206 plays a key role in phagocytosis pathogens such as *Candida albicans*, *Leishmania*, and *Mycobacterium tuberculosis*.

Applications Reported

This 19.2 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This 19.2 antibody has been pre-titrated and tested by flow cytometric analysis of GM-CSF-stimulated normal human peripheral blood cells. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

Gazi U, Martinez-Pomares L. Influence of the mannose receptor in host immune responses. Immunobiology. 2009 Jul;214(7):554-61.

Lolmede K, Campana L, Vezzoli M, Bosurgi L, Tonlorenzi R, Clementi E, Bianchi ME, Cossu G, Manfredi AA, Brunelli S, Rovere-Querini P. Inflammatory and alternatively activated human macrophages attract vessel-associated stem cells, relying on separate HMGB1- and MMP-9-dependent pathways. J Leukoc Biol. 2009 May;85(5):779-87. (**19.2**, FC)

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Pontow SE, Kery V, Stahl PD. Mannose receptor. Int Rev Cytol. 1992;137B:221-44.

Stahl P, Gordon S. Expression of a mannosyl-fucosyl receptor for endocytosis on cultured primary macrophages and their hybrids. J Cell Biol. 1982 Apr;93(1):49-56.

Related Products
12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.8.1)
14-8339 Human GM-CSF Recombinant Protein
46-0116 Anti-Human CD11c PerCP-eFluor® 710 (3.9)

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