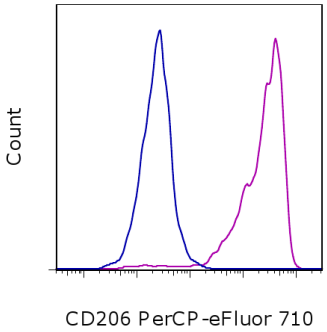
Anti-Human CD206 (MMR) PerCP-eFluor® 710

Catalog Number: 46-2069
Also known as: Macrophage mannose receptor
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of 3-day GM-CSF-treated human peripheral blood monocytes with Mouse IgG1 K Isotype Control PerCP-eFluor® 710 (cat. 46-4714) (blue histogram) or Anti-Human CD206 (MMR) PerCP-eFluor® 710 (purple histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human CD206 (MMR) PerCP-eFluor® 710
REF **Catalog Number:** 46-2069
Clone: 19.2
Concentration: 5 uL (0.06 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 3 day recombinant GM-CSF-cultured human peripheral blood monocytes. This can be used at 5 µL (0.06 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.

PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor® 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Click here or contact eBioscience Technical Support for more information on eFluor™ Organic Dyes including PerCP-

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References

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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)

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

12-0116 Anti-Human CD11c PE (3.9)
14-8339 Human GM-CSF Recombinant Protein

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