CD206 (MMR) Monoclonal Antibody (19.2), PE-Cyanine7, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotope	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE-Cyanine7, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	19.2
Conjugate	PE-Cyanine7
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2573426

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	4 Publications

Product Specific Information

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 stimulated human 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.

Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

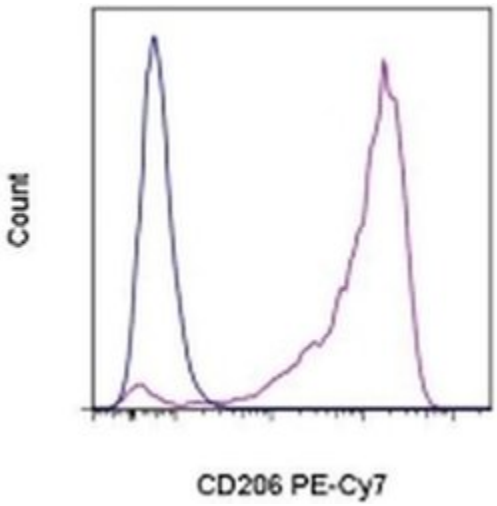
Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix

/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 488-561 nm; Emission: 775 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD206 (MMR) Monoclonal Antibody (19.2), PE-Cyanine7, eBioscience™



CD206 (MMR) Antibody (25-2069-42) in Flow
Normal human peripheral blood cells were cultured for 3 days with Human GM-CSF Recombinant Protein (Product # 14-8339-62). Cells were stained with Mouse IgG1 K Isotype Control PE-Cyanine7 (Product # 25-4714-80) (blue histogram) or Anti-Human CD206 (MMR) PE-Cyanine7 (purple histogram). Total viable cells, as determined by Fixable Viability Dye eFluor® 780 (Product # 65-0865-14) were used for analysis.

View more figures on thermofisher.com

4 References

Flow Cytometry (4)

Frontiers in pharmacology

Ginsenoside Rg3 Mitigates Atherosclerosis Progression in Diabetic apoE-/- Mice by Skewing Macrophages to the M2 Phenotype.

"Published figure using CD206 (MMR) monoclonal antibody (Product # 25-2069-42) in Flow Cytometry"

Authors: Guo M,Xiao J,Sheng X,Zhang X,Tie Y,Wang L,Zhao L,Ji X

Species
Not Applicable

Dilution
Not Cited

Year
2019

Nature communications

miR-142-5p and miR-130a-3p are regulated by IL-4 and IL-13 and control profibrogenic macrophage program.

"Published figure using CD206 (MMR) monoclonal antibody (Product # 25-2069-42) in Flow Cytometry"

Authors: Su S,Zhao Q,He C,Huang D,Liu J,Chen F,Chen J,Liao JY,Cui X,Zeng Y,Yao H,Su F,Liu Q,Jiang S,Song E

Species
Not Applicable

Dilution
Not Cited

Year
2015

View more Flow references on thermofisher.com

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