

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

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human, Mouse
Host/Isotype	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
Excitation/Emission Max	569/780 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 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	21 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 lymphatic epithelia and kidney mesangial 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 10⁵ to 10⁸ cells/test.

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

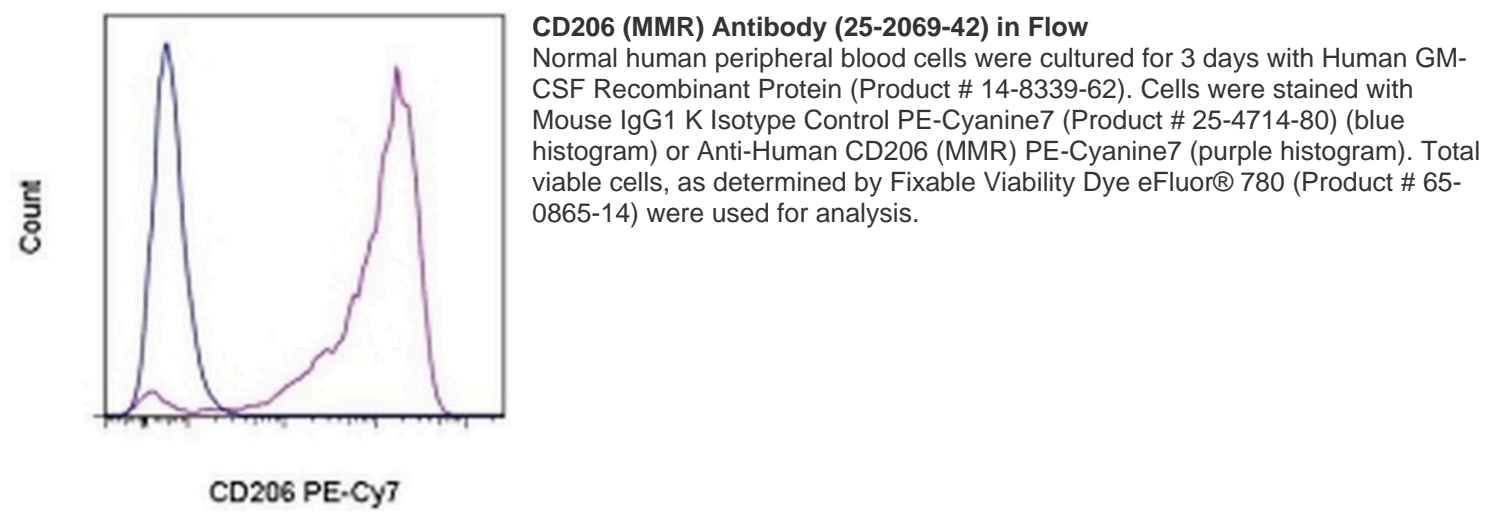
Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore 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™



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21 References

Flow Cytometry (21)

Antioxidants (Basel, Switzerland)	Year 2022
Genipin Attenuates Diabetic Cognitive Impairment by Reducing Lipid Accumulation and Promoting Mitochondrial Fusion via FABP4/Mfn1 Signaling in Microglia.	
"Published figure using CD206 (MMR) monoclonal antibody (Product # 25-2069-42) in Flow Cytometry"	
Authors: Liu W,Li K,Zheng M,He L,Chen T	
Frontiers in pharmacology	Year 2022
Sphingomyelin synthase 2 is a positive regulator of the CSF1R-STAT3 pathway in pancreatic cancer-associated macrophage.	
"Published figure using CD206 (MMR) monoclonal antibody (Product # 25-2069-42) in Flow Cytometry"	
Authors: He S,Gu X,Yang J,Xu F,Hu J,Wang W,Huang Y,Lou B,Ding T,Zhou L,Ye D,Yu K,Dong J	

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More applications with references on thermofisher.com

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