

For Research Use Only

FITC Plus Anti-Mouse CD206 Rabbit Recombinant Antibody

Catalog Number: FITC-98031



Basic Information

| | | |
|--|---|---|
| Catalog Number: FITC-98031 | GenBank Accession Number: NM_008625.2 | Purification Method: Protein A purification |
| Concentration: 100ug, 500 ug/ml | GeneID (NCBI): 17533 | CloneNo.: 240344D12 |
| Source: Rabbit | UNIPROT ID: Q2HZ94 | Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension |
| Isotype: IgG | Full Name: mannose receptor, C type 1 | Excitation/Emission maxima wavelengths: 495 nm / 524 nm |
| Immunogen Catalog Number: EG0790 | Calculated MW: 165 kDa | |

Applications

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|--------------------------------------|---|
| Tested Applications: FC | Positive Controls: FC : mouse peritoneal macrophages, |
| Species Specificity: mouse | |

Background Information

CD206, also named as MMR, CLEC13D and MRC1, is a type I membrane receptor that mediates the endocytosis of glycoproteins by macrophages. CD206 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. CD206 is a 170 kDa transmembrane protein which contains 5 domains: an amino-terminal cysteine-rich region, a fibronectin type II repeat, a series of eight tandem lectin-like carbohydrate recognition domains (responsible for the recognition of mannose and fucose), a transmembrane domain, and an intracellular carboxy-terminal tail. It is expressed on most tissue macrophages, in vitro derived dendritic cells, lymphatic and sinusoidal endothelia.

Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:

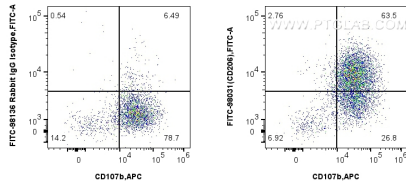
T: 4006900926

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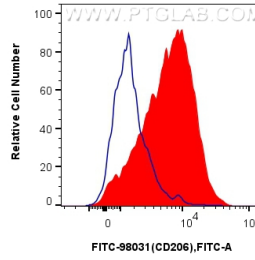
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Selected Validation Data



1x10⁶ mouse peritoneal macrophages were surface stained with APC Anti-Mouse CD107b / LAMP2, and 0.25 ug FITC Plus Anti-Mouse CD206 Rabbit RecAb (FITC-98031, Clone: 240344D12) or FITC Plus Rabbit IgG Isotype Control RecAb (FITC-98136, Clone: 240953C9). Cells were incubated with FC Receptor Block prior to staining and fixing. Cells were not fixed.



1x10⁶ mouse peritoneal macrophages were surface stained with 0.25 ug FITC Plus Anti-Mouse CD206 Rabbit RecAb (FITC-98031, Clone: 240344D12) (red) or FITC Plus Rabbit IgG Isotype Control RecAb (FITC-98136, Clone: 240953C9) (blue). Cells were incubated with FC Receptor Block prior to staining and fixing. Cells were not fixed.