

For Research Use Only

Anti-Mouse CD206 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98031-1-PBS



Basic Information

Catalog Number:

98031-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_008625.2

GeneID (NCBI):

17533

UNIPROT ID:

Q2HZ94

Full Name:

mannose receptor, C type 1

Calculated MW:

165 kDa

Purification Method:

Protein A purification

CloneNo.:

240344D12

Applications

Tested Applications:

FC

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 -80°C.

Storage Buffer:

PBS Only

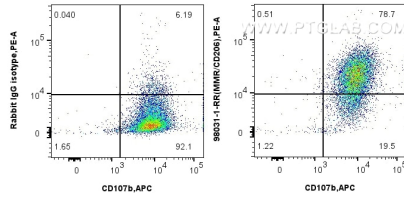
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

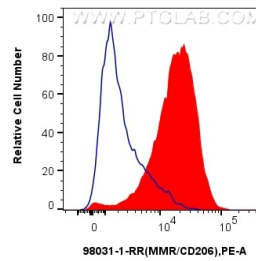
E: proteintech@ptglab.com
W: ptglab.com

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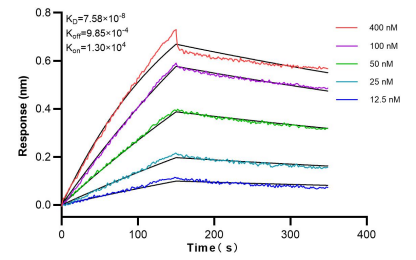
Selected Validation Data



1x10⁶ mouse peritoneal macrophages were surface stained with 0.25 ug Anti-Mouse MMR/CD206 Rabbit Recombinant Antibody (98031-1-RR, Clone: 240344D12) or Isotype Control and PE-conjugated Goat Anti-Rabbit IgG. Cells were then stained with APC Anti-Mouse CD107b / LAMP2. Cells were not fixed. This data was developed using the same antibody clone with 98031-1-PBS in a different storage buffer formulation.



1x10⁶ mouse peritoneal macrophages were surface stained with 0.25 ug Anti-Mouse MMR/CD206 Rabbit Recombinant Antibody (98031-1-RR, Clone: 240344D12) (red) or Isotype Control (blue) and PE-conjugated Goat Anti-Rabbit IgG. Cells were not fixed. This data was developed using the same antibody clone with 98031-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98031-1-RR against Mouse CD206 were performed. The affinity constant is 75.8 nM.