

For Research Use Only

Anti-Mouse CD206 Rabbit Recombinant Antibody

Catalog Number: 98031-1-RR



Basic Information

Catalog Number: 98031-1-RR	GenBank Accession Number: NM_008625.2	Purification Method: Protein A purification
Size: 100ug , 1 mg/ml	GeneID (NCBI): 17533	CloneNo.: 240344D12
Source: Rabbit	UNIPROT ID: Q2HZ94	
Isotype: IgG	Full Name: mannose receptor, C type 1	
	Calculated MW: 165 kDa	

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

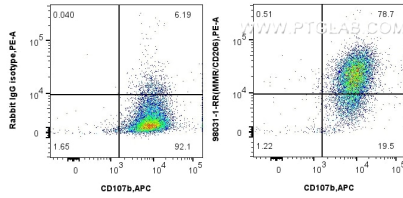
Storage:
Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

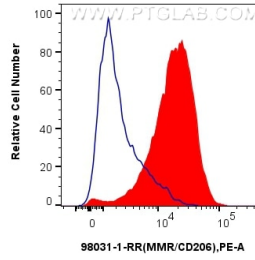
For technical support and original validation data for this product please contact:
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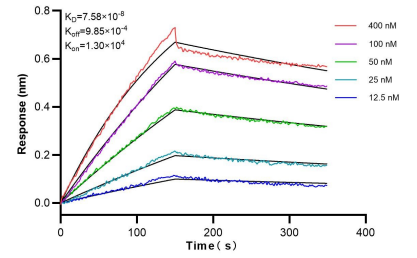
Selected Validation Data



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.



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.



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