

For Research Use Only

# PE-Cyanine7 Anti-Mouse CD206 Rabbit Recombinant Antibody

Catalog Number: PY7-98031



## Basic Information

Catalog Number:  
PY7-98031

Size:  
100ug , 200 µg/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

Excitation/Emission maxima  
wavelengths:  
450-500 nm / 778 nm

## 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA.

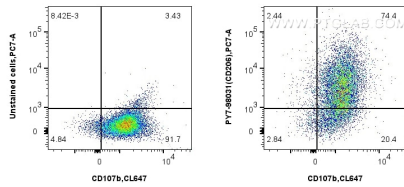
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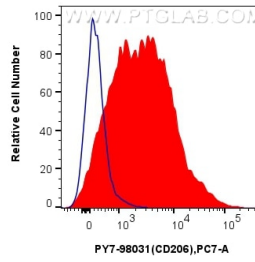
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## Selected Validation Data



1x10<sup>6</sup> mouse peritoneal macrophages were surface stained with 0.25 ug PE-Cyanine7 Anti-Mouse CD206 Rabbit Recombinant Antibody (PY7-98031, Clone:240344D12) or unstained. Cells were co-stained with CoraLite® Plus 647 Anti-Mouse CD107b / LAMP2 (ABL-93). Cells were incubated with FC Receptor Block prior to staining and fixing. Cells were not fixed.



1x10<sup>6</sup> mouse peritoneal macrophages were surface stained with 0.25 ug PE-Cyanine7 Anti-Mouse CD206 Rabbit Recombinant Antibody (PY7-98031, Clone: 240344D12) (red) or unstained (blue). Cells were incubated with FC Receptor Block prior to staining and fixing. Cells were not fixed.