

For Research Use Only

APC Anti-Human CD206 (15-2)

Catalog Number: APC-65155

3 Publications



Basic Information

Catalog Number:

APC-65155

Concentration:

100 tests, 10 ul/test

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

NM_002438

GeneID (NCBI):

4360

UNIPROT ID:

P22897

Full Name:

mannose receptor, C type 1

Calculated MW:

166 kDa

Purification Method:

The purified antibody is conjugated with allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

CloneNo.:

15-2

Excitation/Emission maxima wavelengths:

650 nm / 660 nm

Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

human

Cited Species:

human

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Quan Yan	38602536	Cell Mol Life Sci	FC
Chaochao Dai	38655264	Front Immunol	FC
Xinyi Qu	37445610	Int J Mol Sci	FC

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.

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

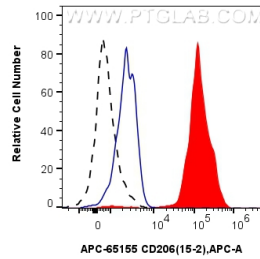
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W: ptgcn.com

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Selected Validation Data



1x10⁶ GM-CSF treated human PBMCs were surface stained with 5 ul APC Anti-Human CD206 (15-2) (APC-65155, Clone:15-2) (red) or APC Mouse IgG1 Isotype Control (MOPC-21) (APC-65124, Clone: MOPC-21) (blue). 1x10⁶ untreated human PBMCs were surface stained with 5 ul APC Anti-Human CD206 (15-2) (APC-65155, Clone:15-2) (black, dashed). Cells were not fixed.