

For Research Use Only

# APC Anti-Human CD206 (15-2)

Catalog Number: APC-65155 **1 Publications**



## Basic Information

**Catalog Number:**  
APC-65155

**Size:**  
100tests, 10 µl/test

**Source:**  
Mouse

**Isotype:**  
IgG1, kappa

**GenBank Accession Number:**  
NM\_002438

**GeneID (NCBI):**  
4360

**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

## 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
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 0.1% sodium azide.

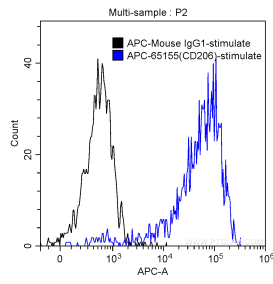
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Human monocyte-derived dendritic cells (monocytes stimulated with GM-CSF and IL-4) were surface stained with 10 ul APC Anti-Human CD206 (APC-65155, Clone:15-2) (blue) or APC-Mouse IgG1 isotype control (black). Cells were not fixed.