

For Research Use Only

CoraLite® Plus 488-conjugated CD206 Polyclonal antibody

Catalog Number: CL488-18704 3 Publications



Basic Information

Catalog Number:

CL488-18704

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_002438

GeneID (NCBI):

4360

UNIPROT ID:

P22897

Full Name:

mannose receptor, C type 1

Calculated MW:

166 kDa

Observed MW:

165-180 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P: 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF-P

Cited Applications:

IF

Species Specificity:

human, rat

Cited Species:

mouse, rat

Positive Controls:

IF-P: human placenta tissue,

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 glycoprotein 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. This antibody recognizes the intracellular carboxy-terminal part of CD206 and MRC1L1. If protein aggregation exists, for optimal WB detection with this antibody, we recommend adding DTT before boiling the sample to reduce disulfide bonds.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiangjun Liu	39839491	Mater Today Bio	IF
Yuansheng Wu	39502012	Adv Healthc Mater	IF
Yan Gao	39434543	Basic Clin Pharmacol Toxicol	IF

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

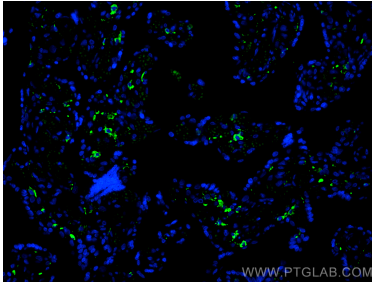
T: 4006900926

E: Proteintech-CN@ptglab.com

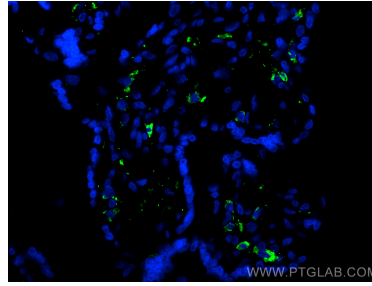
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human placenta tissue using CoraLite® Plus 488 CD206 antibody (CL488-18704) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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