

For Research Use Only

CD206 Monoclonal antibody, PBS Only



Catalog Number: 60143-1-PBS

Featured Product

Basic Information

Catalog Number:

60143-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

NM_002438

GeneID (NCBI):

4360

UNIPROT ID:

P22897

Full Name:

mannose receptor, C type 1

Calculated MW:

166 kDa

Observed MW:

170 kDa

Purification Method:

Protein A purification

CloneNo.:

2A6A10

Applications

Tested Applications:

WB,IP,IHC,IF,ELISA

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. This antibody recognizes the intracellular carboxy-terminal part of CD206 and MRC1L1.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only

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

T: 4006900926

E: Proteintech-CN@ptglab.com

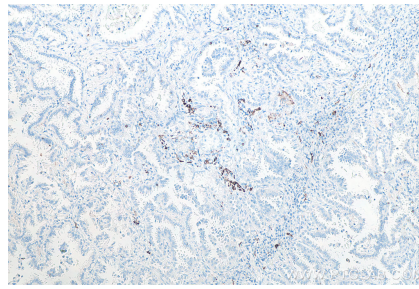
W: ptgcn.com

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

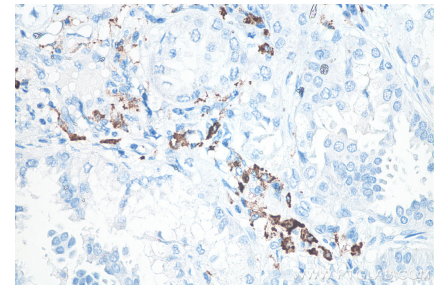
Selected Validation Data



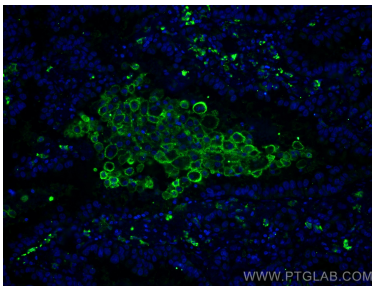
human placenta tissue was subjected to SDS PAGE followed by western blot with 60143-1-Ig (CD206 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60143-1-PBS in a different storage buffer formulation.



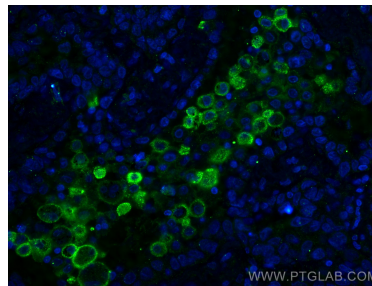
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 60143-1-Ig (CD206 antibody) at dilution of 1:20000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60143-1-PBS in a different storage buffer formulation.



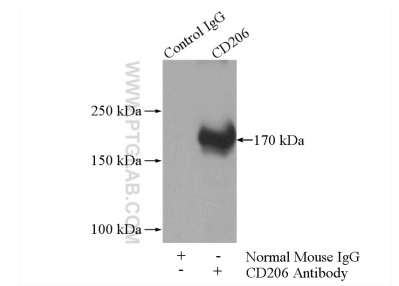
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 60143-1-Ig (CD206 antibody) at dilution of 1:20000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60143-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using CD206 antibody (60143-1-Ig, Clone: 2A6A10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 60143-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using CD206 antibody (60143-1-Ig, Clone: 2A6A10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 60143-1-PBS in a different storage buffer formulation.



IP result of anti-CD206 (IP:60143-1-Ig, 5ug; Detection:60143-1-Ig 1:300) with human placenta tissue lysate 1520ug. This data was developed using the same antibody clone with 60143-1-PBS in a different storage buffer formulation.