

CD206 Monoclonal antibody

Catalog Number: 60143-1-Ig

Featured Product

187 Publications

Basic Information

Catalog Number:

60143-1-Ig

Size:

150ul, Concentration: 2000 ug/ml by Nanodrop;

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

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:10000-1:40000

IF-P 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF-P, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human, pig

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human placenta tissue, human liver tissue

IP : human placenta tissue,

IHC : human lung cancer tissue, human liver tissue, human placenta tissue

IF-P : human lung cancer 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 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Xinmei Huang	34478541	J Clin Endocrinol Metab	IHC
Liping Xu	36179453	Tissue Cell	IHC
C. Zhao	34647005	Mater Today Bio	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

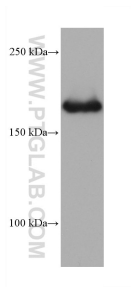
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

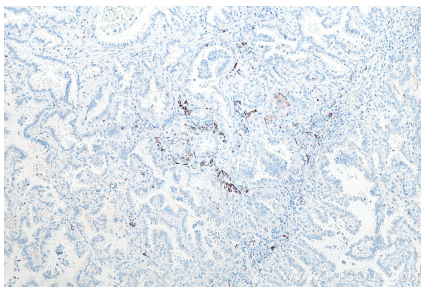
E: proteintech@ptglab.com
W: ptglab.com

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

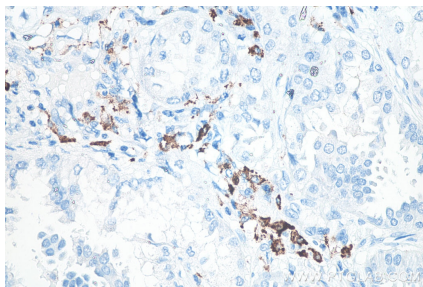
Selected Validation Data



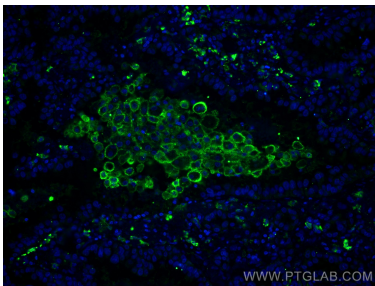
human placenta tissue was subjected to SDS PAGE followed by western blot with 60143-1-Ig (CD206 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



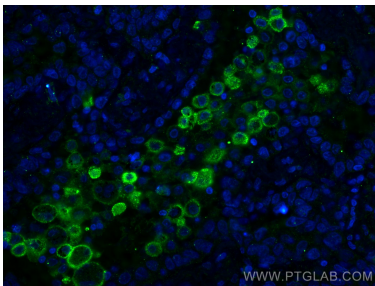
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 60143-1-Ig (CD206 antibody) at dilution of 1:20000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



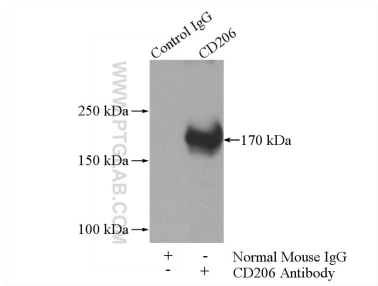
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 60143-1-Ig (CD206 antibody) at dilution of 1:20000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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).



IP result of anti-CD206 (IP:60143-1-Ig, 5ug; Detection:60143-1-Ig 1:300) with human placenta tissue lysate 1520ug.