

For Research Use Only

CD206 Monoclonal antibody

Catalog Number: 60143-1-Ig

Featured Product

55 Publications



Basic Information

Catalog Number: 60143-1-Ig	GenBank Accession Number: NM_002438	Purification Method: Protein A purification
Size: 150ul , Concentration: 2020 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4360	CloneNo.: 2A6A10
Source: Mouse	Full Name: mannose receptor, C type 1	Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Isotype: IgG2a	Calculated MW: 166 kDa	IHC 1:10000-1:40000
	Observed MW: 170 kDa	

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

FC, IF, IHC, WB

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

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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

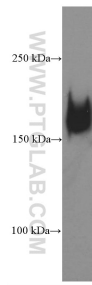
For technical support and original validation data for this product please contact:

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

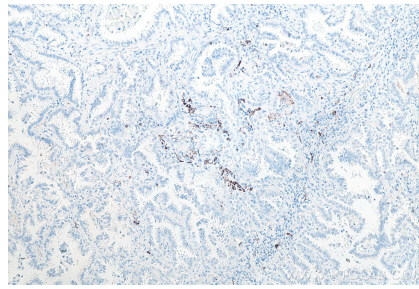
E: proteintech@ptglab.com
W: ptglab.com

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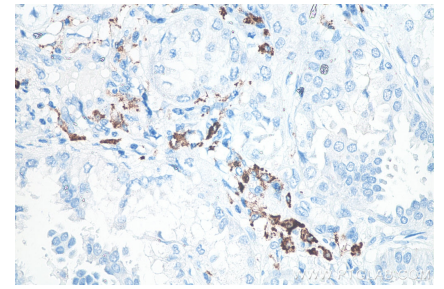
Selected Validation Data



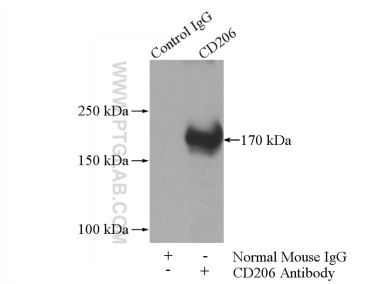
human placenta tissue were subjected to SDS PAGE followed by western blot with 60143-1-Ig (CD206 antibody at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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).



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