

## CD206 Monoclonal antibody

Catalog Number: 60143-1-Ig

Featured Product

214 Publications

## Basic Information

## Catalog Number:

60143-1-Ig

## Concentration:

2000 ug/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

## 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

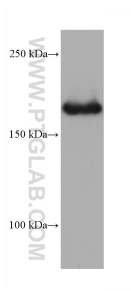
For technical support and original validation data for this product please contact:

T: 4006900926

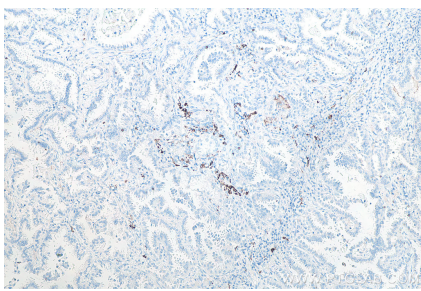
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

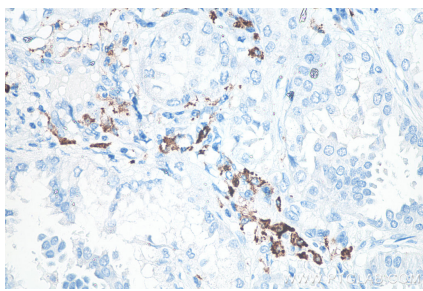
Selected Validation Data



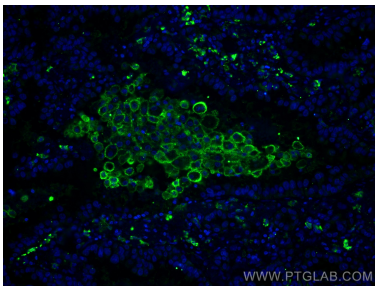
human placenta tissue was subjected to SDS PAGE followed by western blot with 60143-1-Ig (CD206 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



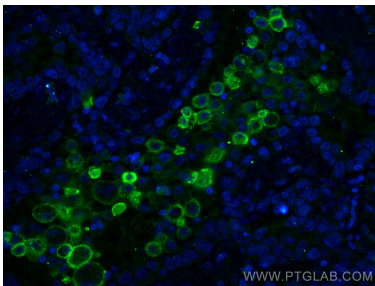
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 60143-1-Ig (CD206 antibody) at dilution of 1:20000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



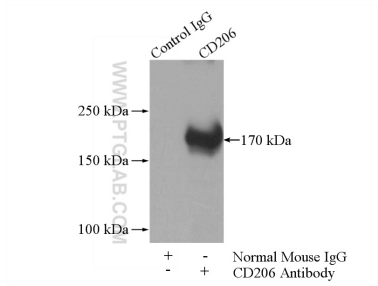
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 60143-1-Ig (CD206 antibody) at dilution of 1:20000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.