

CD206 Polyclonal antibody

Catalog Number: 32647-1-AP

Basic Information

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|---|---|---|
| Catalog Number: 32647-1-AP | GenBank Accession Number: NM_008625.2 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 550 ug/ml by Nanodrop; | GeneID (NCBI): 17533 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:200-1:800 |
| Source: Rabbit | UNIPROT ID: Q2HZ94 | |
| Isotype: IgG | Full Name: mannose receptor, C type 1 | |
| | Calculated MW: 165 kDa | |
| | Observed MW: 170 kDa | |

Applications

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|---|---|
| Tested Applications: WB, IHC, ELISA | Positive Controls: |
| Species Specificity: mouse, rat | WB : mouse spleen tissue, rat liver tissue |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | IHC : mouse spleen 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 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.

Storage

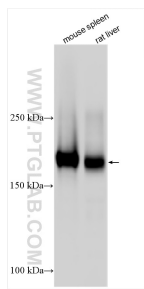
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

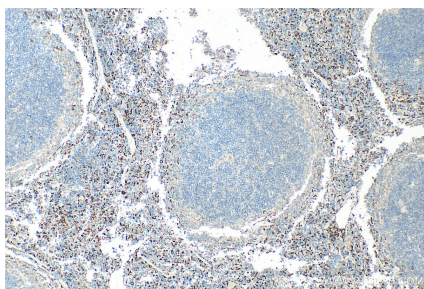
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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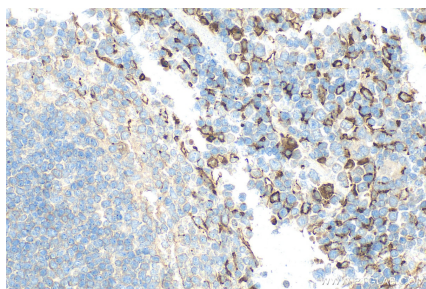
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32647-1-AP (MMR/CD206 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 32647-1-AP (CD206 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 32647-1-AP (CD206 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).