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Mannose Receptor/CD206 Rabbit mAb

Catalog No.: A26948 Recombinant

Basic Information

Observed MW
170-250kDa

Calculated MW
166kDa

Category
Primary antibody

Applications
WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity
Human

CloneNo number
ARC70414

Background

The recognition of complex carbohydrate structures on glycoproteins is an important part of several biological processes, including cell-cell recognition, serum glycoprotein turnover, and neutralization of pathogens. The protein encoded by this gene is a type I membrane receptor that mediates the endocytosis of glycoproteins by macrophages. The protein 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.

Recommended Dilutions

WB	1:16000 - 1:64000
IHC-P	1:800 - 1:4000
IF/ICC	1:200 - 1:800
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
4360

Swiss Prot
P22897

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 19-1389 of human Mannose Receptor/CD206 (NP_002429.1).

Synonyms
MMR; hMR; CD206; MRC1L1; CLEC13D; CLEC13DL; bA541I19.1

Contact

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Product Information

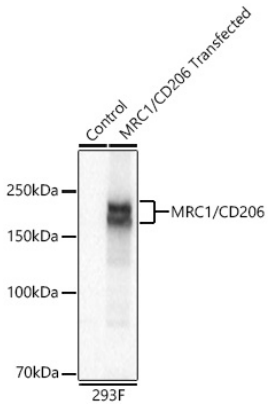
Source
Rabbit

Isotype
IgG

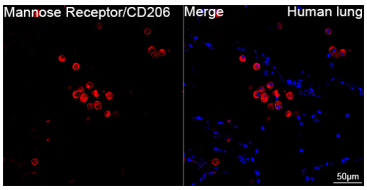
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

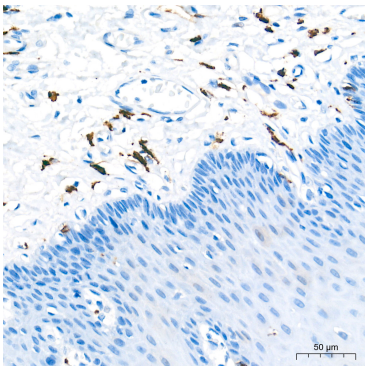
Validation Data



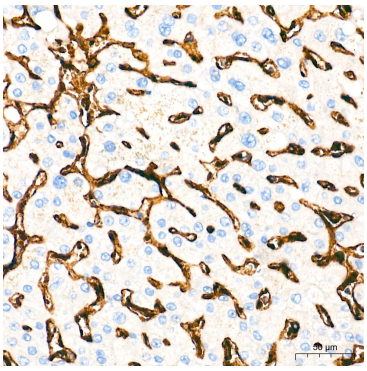
Western blot analysis of lysates from wild type (WT) and 293F cells transfected with Mannose Receptor/CD206 using Mannose Receptor/CD206 Rabbit mAb (A26948) at 1:16000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 20 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020)
.Exposure time: 10s.



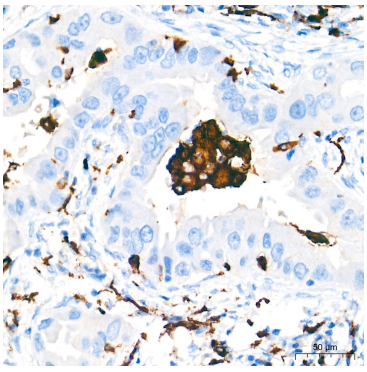
Confocal imaging of paraffin-embedded Human lung tissue using Mannose Receptor/CD206 Rabbit mAb (A26948, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using Mannose Receptor/CD206 Rabbit mAb (A26948) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using Mannose Receptor/CD206 Rabbit mAb (A26948) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using Mannose Receptor/CD206 Rabbit mAb (A26948) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.