

Mannose Receptor/CD206 Rabbit mAb

Catalog No.: A21014 **Recombinant** **19 Publications**

Basic Information

Observed MW

190-250 kDa

Calculated MW

166 kDa

Category

Primary antibody

Applications

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

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC3149

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 1:5000 - 1:26000

IF/ICC 1:50 - 1:200

IF-P 1:50 - 1:200

IHC-P 1:50 - 1:200

mIHC 1:100 - 1:400

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

17533

Swiss Prot

Q61830

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

MMR; hMR; CD206; MRC1L1; CLEC13D; CLEC13DL; bA541I19.1; Mannose Receptor/CD206

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

 | 400-999-6126

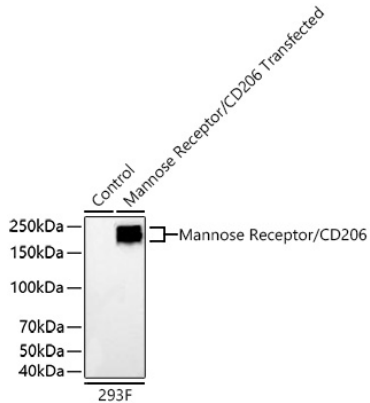
 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

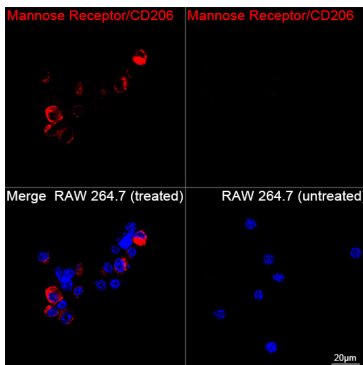
Validation Data



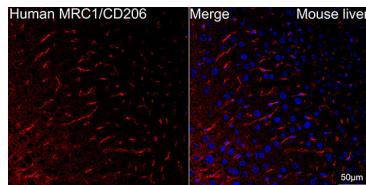
Western blot analysis of various lysates using Mannose Receptor/CD206 Rabbit mAb (A21014) at 1:5000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 20 s.



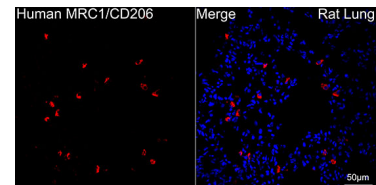
Western blot analysis of lysates from wild type (WT) and 293F cells transfected with Mannose Receptor/CD206 using Mannose Receptor/CD206 Rabbit mAb (A21014) at 1:26000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 20 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 10 s.



Confocal imaging of RAW 264.7 cells (treated with IL-4 and IL-10) and RAW 264.7 cells (untreated) using Mannose Receptor/CD206 Rabbit mAb (A21014, dilution 1:100) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

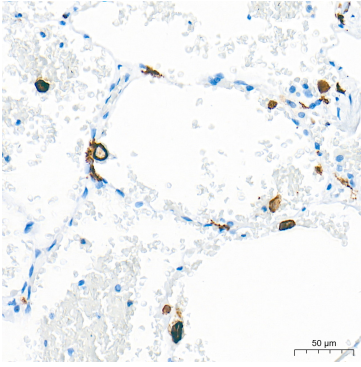


Confocal imaging of paraffin-embedded mouse liver using Mannose Receptor/CD206 Rabbit mAb (A21014, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.

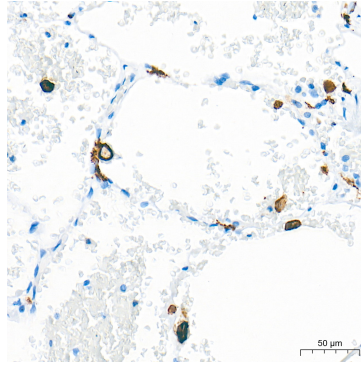


Confocal imaging of paraffin-embedded rat lung using Mannose Receptor/CD206 Rabbit mAb (A21014, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.

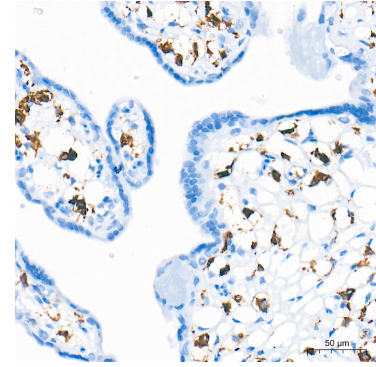
Validation Data



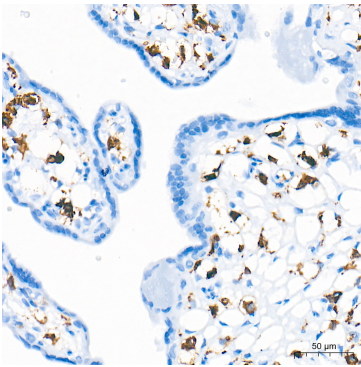
Immunohistochemistry analysis of paraffin-embedded Human lung tissue using Mannose Receptor/CD206 Rabbit mAb (A21014) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



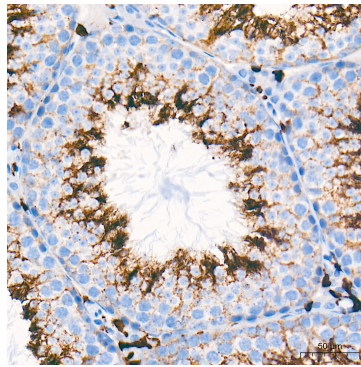
Immunohistochemistry analysis of paraffin-embedded Mouse liver using Mannose Receptor/CD206 Rabbit mAb (A21014) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



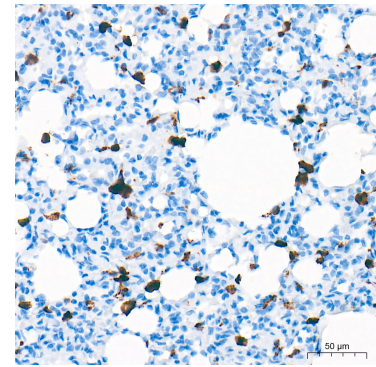
Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using Mannose Receptor/CD206 Rabbit mAb (A21014) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



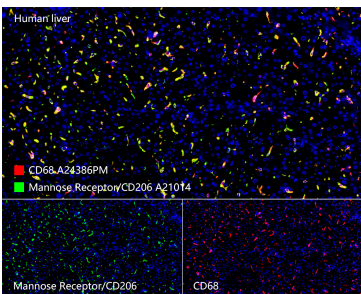
Immunohistochemistry analysis of paraffin-embedded Rat liver using Mannose Receptor/CD206 Rabbit mAb (A21014) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



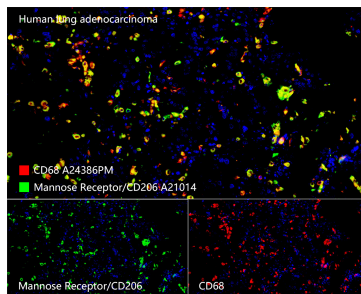
Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using Mannose Receptor/CD206 Rabbit mAb (A21014) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



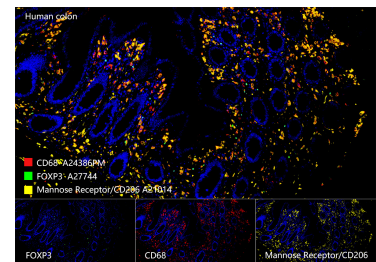
Immunohistochemistry analysis of paraffin-embedded Rat lung tissue using Mannose Receptor/CD206 Rabbit mAb (A21014) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



The multiplex IHC analysis on paraffin-embedded Human liver tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : Mannose Receptor/CD206 Rabbit mAb (A21014, 1:200) with TSA-TYR-520 (Green), and CD68 Rabbit PolymAb® (A24386PM, 1:10000) with TSA-TYR-570 (Red). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC



The multiplex IHC analysis on paraffin-embedded Human lung adenocarcinoma tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : Mannose Receptor/CD206 Rabbit mAb (A21014, 1:200) with TSA-TYR-520 (Green), and CD68 Rabbit PolymAb® (A24386PM, 1:10000) with TSA-TYR-570 (Red). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC



The multiplex IHC analysis on paraffin-embedded Human colon tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : FOXP3 Rabbit mAb (A27744, 1:600) with TSA-TYR-520 (Green), and CD68 Rabbit PolymAb® (A24386PM, 1:10000) with TSA-TYR-570 (Red), and Mannose Receptor/CD206 Rabbit mAb (A21014, 1:200) with TSA-TYR-690 (Yellow). DAPI

Validation Data

staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.

staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.

(Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.