Leader in Biomolecular Solutions for Life Science

Mannose Receptor/CD206 Rabbit mAb

Catalog No.: A21014

Recombinant | 25 Publications

www.abclonal.com

Basic Information

Observed MW
190-250 kDa

Calculated MW
166 kDa

Category
Monoclonal Antibodies

Applications
WB, IF-F, IF-P, IHC-P, mIHC, ELISA

Cross Reactivity
Human, Mouse, Rat

Clone No.
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-F	1:1000 - 1:4000
IF-P	1:200 - 1:400
IHC-P	1:100 - 1:400
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

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

Product Information

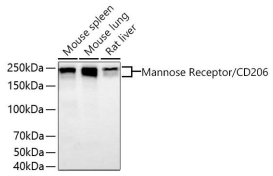
Source
Rabbit

Isotype
IgG

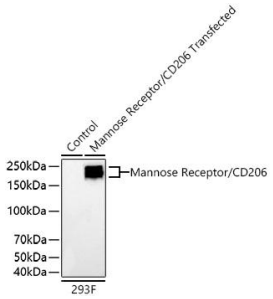
Purity
Affinity purification

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

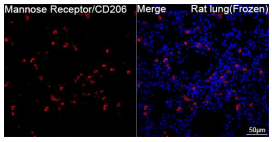
Validation Data



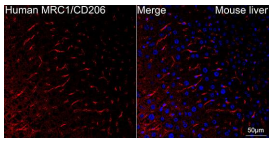
Western blot analysis of various lysates using Mannose Receptor/CD206 Rabbit mAb (A21014) at 1:5000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in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



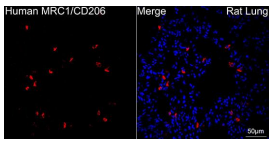
Western blot analysis of lysates from wild type (WT) and 293F cells transfected with Mannose Receptor/CD206 using Mannose Receptor/CD206 Rabbit mAb (A21014) at 1:26000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: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



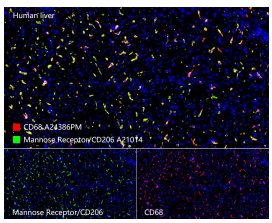
Confocal imaging of frozen sections of Rat lung tissue using Mannose Receptor /CD206 Rabbit mAb (A21014, dilution 1:1000) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



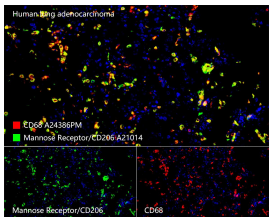
Confocal imaging of paraffin-embedded mouse liver using Mannose Receptor /CD206 Rabbit mAb (A21014,dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500)(Red).DAPI was used for nuclear staining (Blue). Objective: 40x.Perform high pressure antigen retrieval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



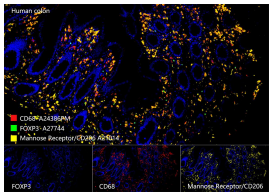
Confocal imaging of paraffin-embedded rat lung using Mannose Receptor/CD206 Rabbit mAb (A21014,dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500)(Red).DAPI was used for nuclear staining (Blue). Objective: 40x.Perform high pressure antigen retrieval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



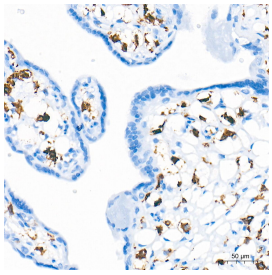
The multiplex IHC analysis on paraffin-embedded Human liver tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : Mannose Receptor/CD206 Rabbit mAb (A21014, 1:200) with TSA-TYR-520 (Green), and CD68 Rabbit PolymAb® (A24386PM, 1:10000) with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



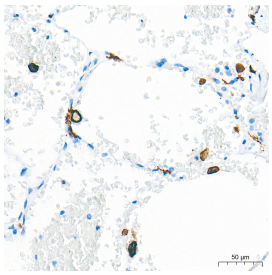
The multiplex IHC analysis on paraffin-embedded Human lung adenocarcinoma tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : Mannose Receptor/CD206 Rabbit mAb (A21014, 1:200) with TSA-TYR-520 (Green), and CD68 Rabbit PolymAb® (A24386PM, 1:10000) with TSA-TYR-570 (Red). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01 M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.



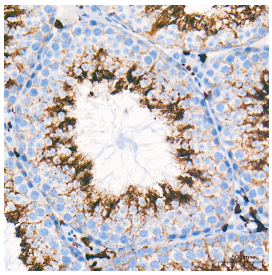
The multiplex IHC analysis on paraffin-embedded Human colon tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : FOXP3 Rabbit mAb (A27744, 1:600) with TSA-TYR-520 (Green), and CD68 Rabbit PolymAb® (A24386PM, 1:10000) with TSA-TYR-570 (Red),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



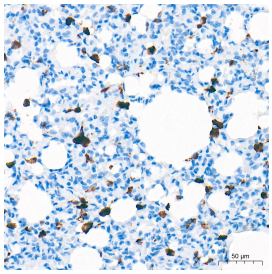
Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using Mannose Receptor/CD206 Rabbit mAb (A21014) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded 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 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.