

HA601452



Product Type:	Recombinant Chimeric Antibody, primary antibodies
Species reactivity:	Mouse, Rat
Applications:	IHC-Fr, WB
Molecular Wt:	Predicted band size: 165 kDa
Clone number:	PSH07-76

Description: The mannose receptor (Cluster of Differentiation 206, CD206) is a C-type lectin primarily present on the surface of macrophages, immature dendritic cells and liver sinusoidal endothelial cells, but is also expressed on the surface of skin cells such as human dermal fibroblasts and keratinocytes. It is the first member of a family of endocytic receptors that includes Endo180 (CD280), M-type PLA2R, and DEC-205 (CD205). The receptor recognises terminal mannose, N-acetylglucosamine and fucose residues on glycans attached to proteins found on the surface of some microorganisms, playing a role in both the innate and adaptive immune systems. Additional functions include clearance of glycoproteins from circulation, including sulphated glycoprotein hormones and glycoproteins released in response to pathological events. The mannose receptor recycles continuously between the plasma membrane and endosomal compartments in a clathrin-dependent manner.

Immunogen: Recombinant protein within mouse Mannose Receptor(CD206) aa 1-1,409.

Positive control: Mouse lung tissue lysate, Mouse liver tissue lysate, Rat lung tissue lysate, Rat liver tissue lysate.

Subcellular location: Endosome membrane, Cell membrane.

Database links: SwissProt: Q61830 Mouse
Entrez Gene: 291327 Rat

Recommended Dilutions:

IHC-Fr	1:500
WB	1:5,000

Storage Buffer: 1*PBS (pH7.4), 0.1% BSA, 40% Glycerol, 0.2% Proclean 950.

Storage Instruction: Shipped at 4℃. Store at +4℃ short term (1-2 weeks). Store at -20℃ long term.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Images

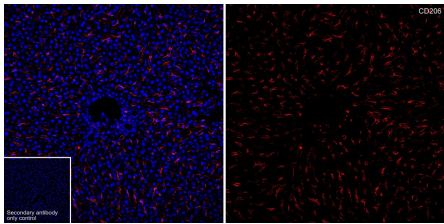


Fig1: Application: IHC-Fr

Species: Mouse

Site: liver

Sample: Frozen section

Antibody concentration: 1/500

Antigen retrieval: Not required

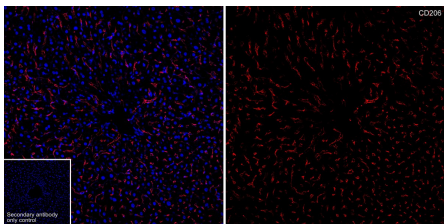


Fig2: Application: IHC-Fr

Species: Rat

Site: liver

Sample: Frozen section

Antibody concentration: 1/500

Antigen retrieval: Not required

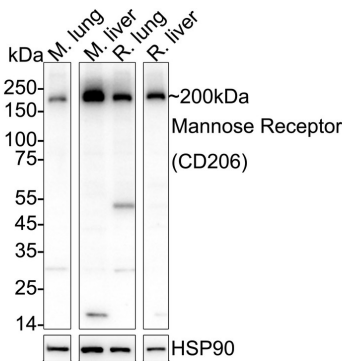


Fig3: Western blot analysis of Mannose Receptor(CD206) on different lysates with Guinea pig anti-Mannose Receptor(CD206) antibody (HA601452) at 1/2,000 dilution.

Lane 1: Mouse lung tissue lysate (20 µg/Lane)

Lane 2: Mouse liver tissue lysate (20 µg/Lane)

Lane 4: Rat lung tissue lysate (20 µg/Lane)

Lane 5: Rat liver tissue lysate (20 µg/Lane)

Predicted band size: 165 kDa

Observed band size: 200 kDa

Exposure time: 10 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA601452) at 1/2,000 dilution was used in primary antibody dilution (K1803) at 4°C overnight. Rabbit anti-Guinea pig IgG H&L - HRP Secondary Antibody (HA1021) at 1/5,000 dilution was used for 1 hour at room temperature.

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Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Nielsen MC et al. Macrophage Activation Markers, CD163 and CD206, in Acute-on-Chronic Liver Failure. Cells. 2020 May
2. Nawaz A et al. Depletion of CD206(+) M2-like macrophages induces fibro-adipogenic progenitors activation and muscle regeneration. Nat Commun. 2022 Nov

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Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation