
Product Name: KD-Validated Mannose Receptor (CD206) Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01693

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 166.0kDa

Antigen Information

Gene Name	MRC1 MRC1; Mannose Receptor C-Type 1; CLEC13DL; CLEC13D; BA541119.1; MRC1L1; CD206; Macrophage Mannose Receptor 1-Like Protein 1; C-Type Lectin Domain Family 13 Member
Alternative Names	D; Mannose Receptor, C Type 1-Like 1; Macrophage Mannose Receptor ; Human Mannose Receptor; MMR; HMR; C-Type Lectin Domain Family 13 Member D-Like; Macrophage Mannose Receptor; Mannose Receptor, C Type 1; CD206 Antigen
Gene ID	4360.0
SwissProt ID	P22897
Immunogen	A synthesized peptide derived from human MRC1

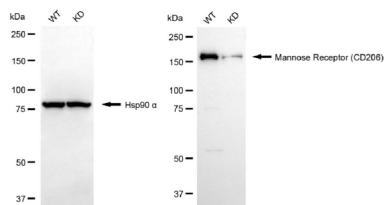
Background

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.[provided by RefSeq, Sep 2015]

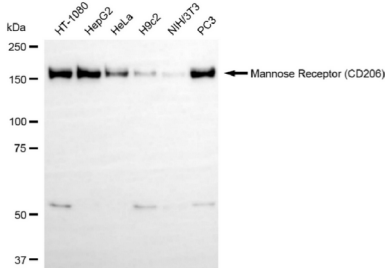
Research Area

Immunology

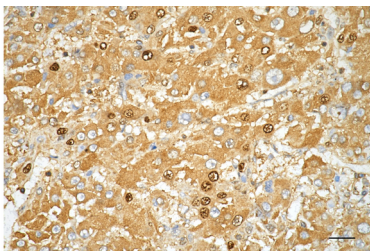
Image Data



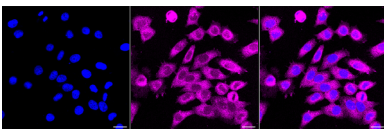
Western blotting analysis using mannose receptor (CD206) antibody (KVA01693). Mannose receptor (CD206) expression in wild-type (WT) and MRC1 knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with mannose receptor (CD206) antibody (KVA01693, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



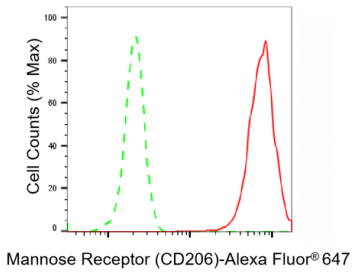
Western blotting analysis using mannose receptor (CD206) antibody (KVA01693). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with mannose receptor (CD206) antibody (KVA01693, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human hepatocarcinoma using mannose receptor (CD206) antibody (KVA01693, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of HepG2 cells with Mannose Receptor (CD206) antibody (KVA01693, 1:1,000). Nuclei were stained blue with DAPI; Mannose Receptor (CD206) was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 µm.



Flow cytometric analysis of Mannose Receptor (CD206) expression in HepG2 cells using Mannose Receptor (CD206) antibody (KVA01693, 1:2,000). Green, isotype control; red, Mannose Receptor (CD206).