



CD206/MRC1 Rabbit mAb

Catalog No	YP-rAb-17755
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	MRC1
Protein Name	Macrophage mannose receptor 1
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:5000-1:20000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	CD206;Macrophage mannose receptor 1;MRC1 ; CLEC13D ; CLEC13DL ; MRC1L1 ; Macrophage mannose receptor 1 ; MMR ; C-type lectin domain family 13 member D ; C-type lectin domain family 13 member D-like ; Macrophage mannose receptor 1-like protein 1 ; CD206;MRC1
Observed Band	190kD
Calculated Molecular Weight	166kD
Cell Pathway	Membrane
Tissue Specificity	Milk,Placenta,Testis,
Function	Mediates the endocytosis of glycoproteins by macrophages. Binds both sulfated and non-sulfated polysaccharide chains. Acts as phagocytic receptor for bacteria, fungi and other pathogens.,miscellaneous:CRDs 1-3 have at most very weak affinity for carbohydrate. CRD 4 shows the highest affinity binding and has multispecificity for a variety of monosaccharides. At least 3 CRDs (4, 5, and 7) are required for high affinity binding and endocytosis of multivalent glycoconjugates.,online information:Macrophage mannose receptor,similarity:Contains 1 fibronectin type-II domain.,similarity:Contains 1 ricin B-type lectin domain.,similarity:Contains 8 C-type lectin domains.,



Background

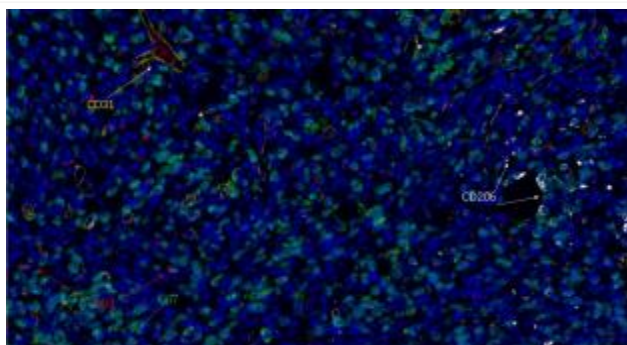
The recognition of complex carbohydrate structures on glycoproteins is an important part of several biological processes, including cell-cell recognition, serum glycoprotein turnover, and neutralization of pathogens. The protein encoded by this gene is a type I membrane receptor that mediates the endocytosis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

matters needing attention

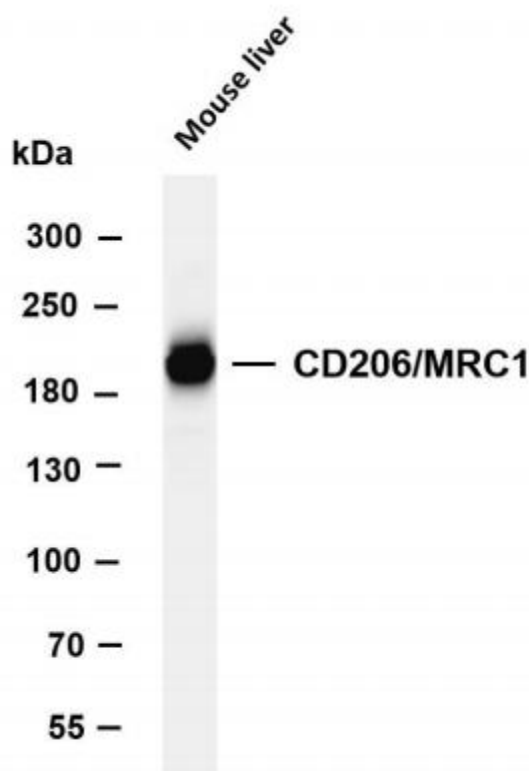
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

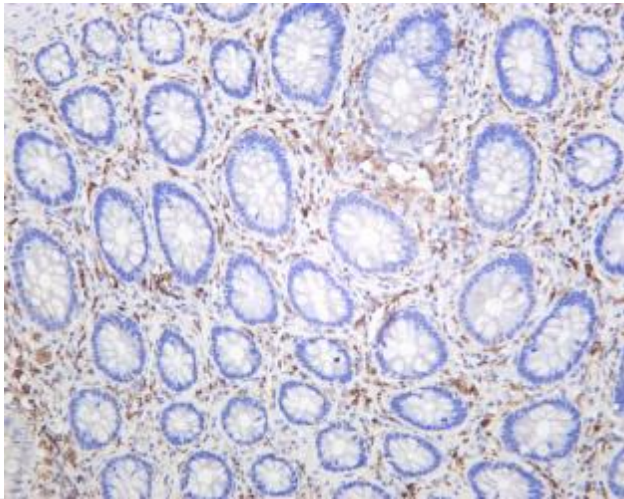


Fluorescence multiplex immunohistochemical analysis of human tonsil tissue (formalin-fixed paraffin-embedded section). The immunostaining was performed by Sextuple-Fluorescence kit (

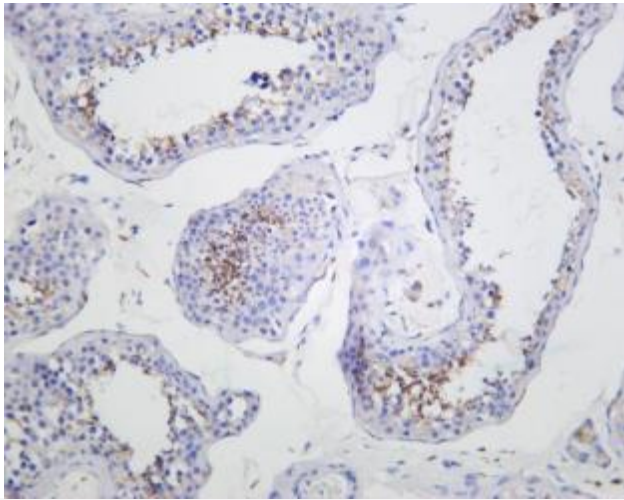


Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was blotted with anti-CD206/MRC1 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Mouse liver Predicted band size: 190kDa Observed band size: 190kDa

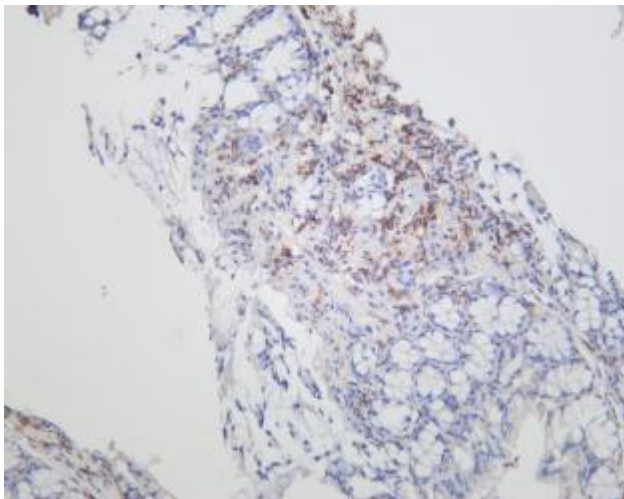




Human colon was stained with anti-CD206/MRC1 rabbit antibody



Human testis was stained with anti-CD206/MRC1 rabbit antibody



Mouse colon was stained with anti-CD206/MRC1 rabbit antibody

