



CD206 Monoclonal Antibody

Catalog No	YP-mAb-14084
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MRC1
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human MRC1. AA range:341-390
Specificity	CD206 Monoclonal Antibody detects endogenous levels of CD206 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CLEC13D;CLEC13DL;C-type lectin domain family 13 member D;C-type;CD206; MRC1;Macrophage mannose receptor 1;MRC1L1;MMR;C-type lectin domain family 13 member D-like;Macrophage mannose receptor 1-like protein 1
Observed Band	170kD
Calculated Molecular Weight	170kD
Cell Pathway	Endosome membrane ; Single-pass type I membrane protein . Cell membrane ; Single-pass type I membrane protein .
Tissue Specificity	Milk,Placenta,Testis,
Function	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],

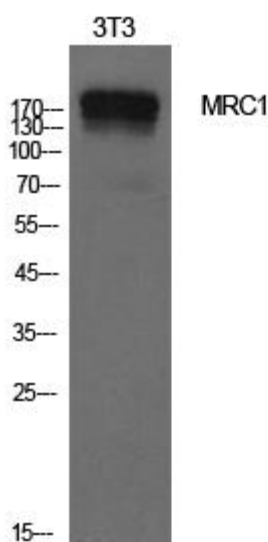
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

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

Products Images



Western Blot analysis of various cells using CD206 Monoclonal Antibody