



CD206 Polyclonal Antibody

Catalog No	BYab-30161
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	MRC1
Protein Name	Macrophage mannose receptor 1
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human MRC1. AA range:341-390
Specificity	CD206 Polyclonal Antibody detects endogenous levels of CD206 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. IF 1:100-300 Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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
Observed Band	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

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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],

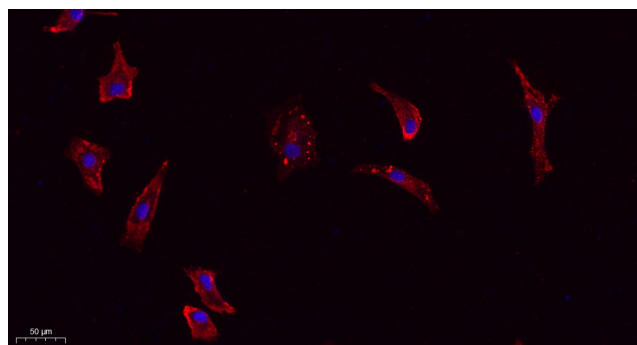
matters needing attention

Avoid repeated freezing and thawing!

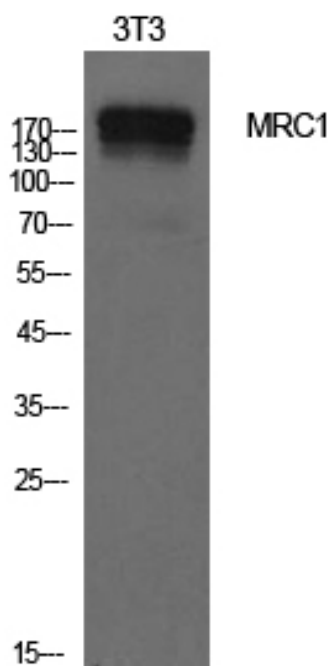
Usage suggestions

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

Products Images

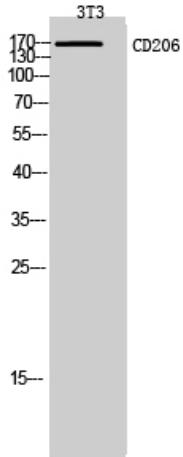


Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.

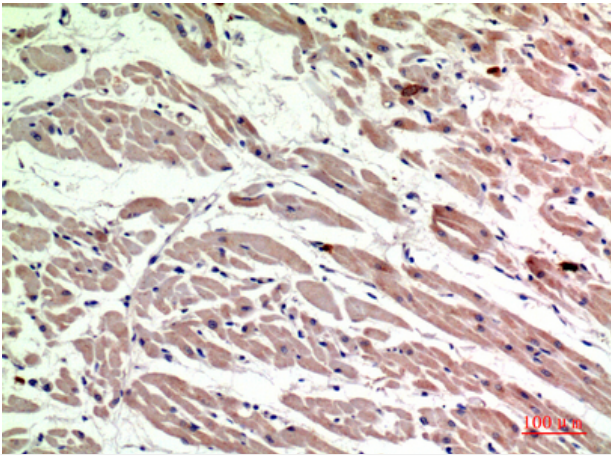


Western Blot analysis of NIH-3T3 cells using CD206 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

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Western Blot analysis of 3T3 cells using CD206
Polyclonal Antibody. Secondary
antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded
human-heart, antibody was diluted at 1:200