

CD206 Polyclonal Antibody

Upon receipt, store at -20°C . Avoid repeated freeze.

Cat# A21142PI

INFORMATION

Product Name	CD206 Polyclonal Antibody
Cat. No.	A21142PI
Size	20 µg ,50 µg ,100 µg
Product type	Primary Antibody
Species Reactivity	Human, Mouse, Rat
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human MRC1. AA range:341-390.
Target	CD206 Polyclonal Antibody detects endogenous levels of CD206 protein.
Gene name	MRC1
Protein name	Macrophage mannose receptor 1
Human gene ID	4360
Human Swiss Prot No.	P22897
Mouse Gene ID	17533
Mouse Swiss Prot No.	Q61830
Observed Band(KD)	170kD
Host	Rabbit
Clonality	Polyclonal
Tested applications	Western Blot: 1:500 - 1:2000. IHC-p: 1:100-1:300. ELISA:1:20000. IF:1:100-1:300.
Conjugation	Non-Conjugated
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1 mg/mL
Storage buffer	Liquid in PBS containing 0.5% BSA, 50% glycerol and 0.02% Sodium Azide.
Alias	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

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

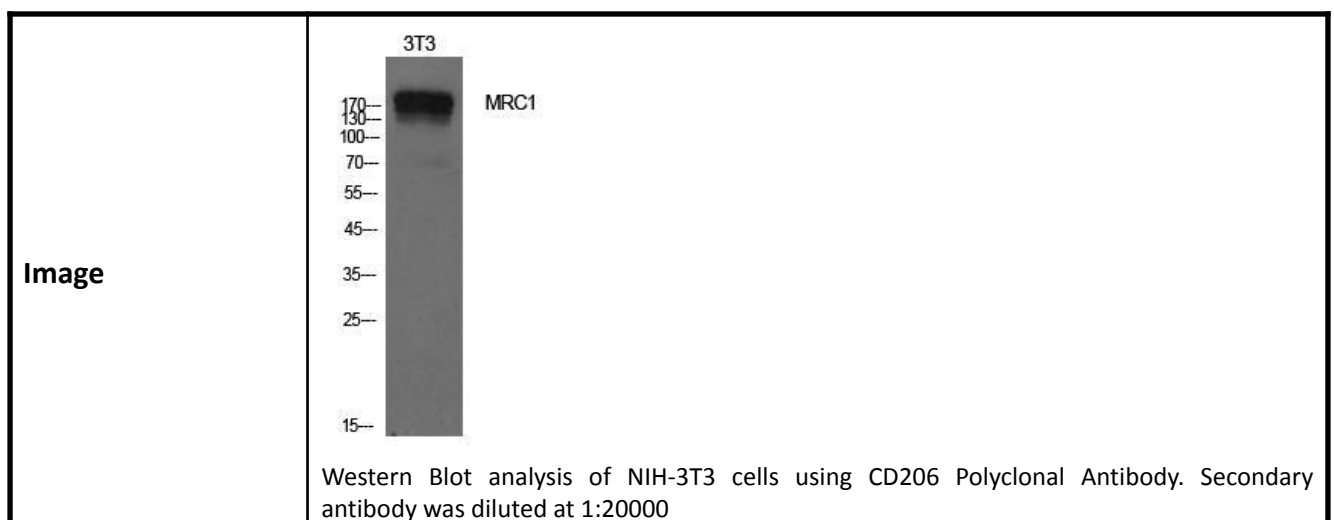
neutralized by phagocytic engulfment.[provided by RefSeq, Sep 2015].

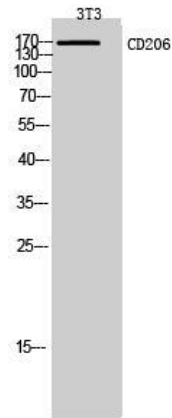
Function

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.

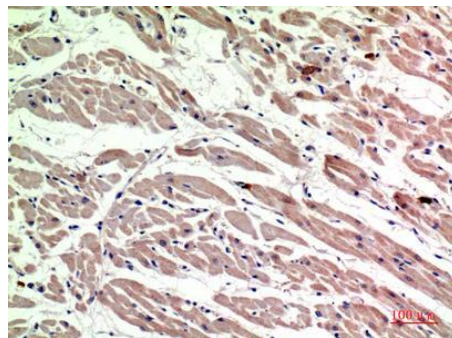
Subcellular Location

Endosome membrane ; Single-pass type I membrane protein . Cell membrane ; Single-pass type I membrane protein.

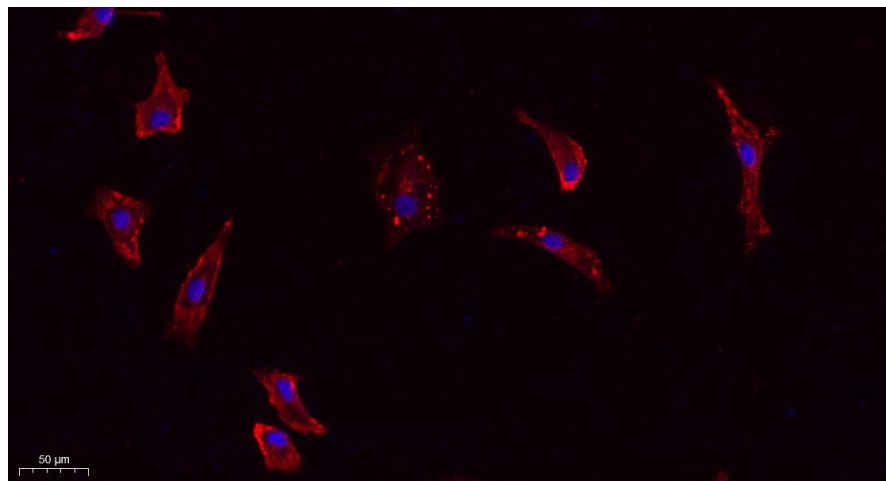




Western Blot analysis of 3T3 cells using CD206 Polyclonal Antibody. Secondary antibody was diluted at 1:20000



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



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.

PRODUCT USE LIMITATION

These products are intended for research use only.