

Rabbit Mannose Receptor/MRC1 Polyclonal Antibody | anti-MRC1 antibody

Anti-Mannose Receptor/MRC1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19199	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

Mannose Receptor/MRC1; Polyclonal Antibody; Anti-Mannose Receptor/MRC1 Antibody; Macrophage mannose receptor 1; MMR; C-type lectin domain family 13 member D; C-type lectin domain family 13 member D-like; Human mannose receptor; hMR; Macrophage mannose receptor 1-like protein 1; CD206; MRC1; CLEC13D; CLEC13DL; MRC1L1; anti-MRC1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	1456
Applicable Applications for anti-MRC1 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA (Direct ELISA)
Application Notes	WB: 0.25-0.5ug/ml (Human, Mouse) IHC-P (Embedded Section): 0.5-1ug/ml (Human, Mouse, Rat) FC/FACS: 1-3ug/1x106 cells (Human, Mouse) Direct ELISA: 0.1-0.5ug/ml (Human) Tested Species: In-house tested species with positive results.
Immunogen	E Coli-derived human Mannose Receptor/MRC1 recombinant protein (Position: D21-A1140).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

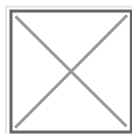
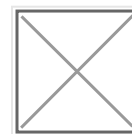
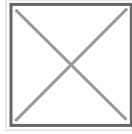

WB (Western Blot)

Figure 1. Western blot analysis of MRC1 using anti-MRC1 antibody.

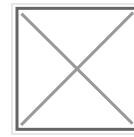

IHC (Immunohistochemistry)



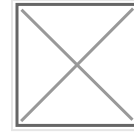
IHC (Immunohistochemistry)



FCM (Flow Cytometry)



IHC (Immunohistochemistry)



FCM (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-MRC1 antibody	Description: Rabbit IgG polyclonal antibody for Mannose Receptor/MRC1 detection. Tested with WB, IHC-P, FCM, Direct ELISA in Human; Mouse; Rat. Background: The mannose receptor (Cluster of Differentiation 206, CD206) is a C-type lectin primarily present on the surface of macrophages, immature dendritic cells and liver sinusoidal endothelial cells, but is also expressed on the surface of skin cells such as human dermal fibroblasts and keratinocytes. It is mapped to 10p12.33. 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.
References	1. Eichbaum, Q., Clerc, P., Bruns, G., McKeon, F., Ezekowitz, R. A. B. Assignment of the human macrophage mannose receptor gene (MRC1) to 10p13 by in situ hybridization and PCR-based somatic cell hybrid mapping. <i>Genomics</i> 22: 656-658, 1994. 2. Harris, N., Peters, L. L., Eicher, E. M., Rits, M., Raspberry, D., Eichbaum, Q. G., Super, M., Ezekowitz, R. A. B. The exon-intron structure and chromosomal localization of the mouse macrophage mannose receptor gene, <i>Mrc1</i>: identification of a ricin-like domain at the N-terminus of the receptor. <i>Biochem. Biophys. Res. Commun.</i> 198: 682-692, 1994. 3. Kim, S. J., Ruiz, N., Bezouska, K., Drickamer, K. Organization of the gene encoding the human macrophage mannose receptor (MRC1). <i>Genomics</i> 14: 721-727, 1992.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505245
NCBI GeneID	4360
NCBI Accession #	NP_002429.1
NCBI GenBank Nucleotide #	NP_002429.1
UniProt Accession #	P22897
NCBI Official Full Name	macrophage mannose receptor 1
NCBI Official Synonym Full Names	mannose receptor C-type 1
NCBI Official Symbol	MRC1
NCBI Official Synonym Symbols	MMR; hMR; CD206; MRC1L1; CLEC13D; CLEC13DL; bA541i19.1
NCBI Protein Information	macrophage mannose receptor 1
UniProt Protein Name	Macrophage mannose receptor 1
UniProt Gene Name	MRC1
UniProt Synonym Gene Names	CLEC13D; CLEC13DL; MRC1L1; MMR

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mannose-receptor-mrc1-antibody-western-blot-immunohistochemistry-flow-cytometry-direct-elisa-elisa/19199>