

Rat CD206 Monoclonal Antibody | anti-CD206 antibody

RAT ANTI MOUSE CD206

CATALOG # AAA49652	HOST Rat	APPLICATIONS Immunoprecipitation, Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry
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PRODUCT SYNONYMS

CD206; Monoclonal Antibody; RAT ANTI MOUSE CD206; MANNOSE RECEPTOR C TYPE 1; anti-CD206 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	MR5D3
Specificity	Rat anti mouse CD206 antibody, clone MR5D3 recognizes the mouse mannose receptor, a ~175 kDa type 1 membrane glycoprotein that is also known as CD206. CD206 is expressed on most tissue macrophages, certain endothelial cells and in vitro derived dendritic cells. The mannose receptor, CD206, is composed of a N-terminal cysteine-rich domain, a fibronectin type II domain, eight tandemly arranged C-type lectin domains (CTLD), a transmembrane domain, and a cytoplasmic domain. The terminal cysteine-rich domain binds sulfated sugars, and the CTLD recognizes carbohydrates terminating in mannose, fucose and N-acetylglucosamine, all sugars found on microorganisms and on some endogenous proteins. Rat anti mouse CD206 antibody, clone MR5D3 has been reported to be non-inhibitory for the binding of the mannose receptor to carbohydrate ligands. Clone MR5D3 has also been shown to work in western blotting.
Form/Format	Liquid; purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	1456
Applicable Applications for anti-CD206 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Perservative Stabilizers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes
Immunogen	Chimaeric CRD4-7-Fc protein
Buffer Solution	Phosphate buffered saline
Target Species	Mouse
RRID	AB_1101333
Fusion Partner	Spleen cells from immunized Fischer rats were fused with cells of the Y3 myeloma cell line.
Preparation and Storage	It is recommended to aliquot and store at -20 degree C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8 degree C for short term use (up to 4 weeks) and store the remaining aliquots at -20 degree C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

NCBI AND UNIPROT INFORMATION

NCBI GI #	224967062
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NCBI GeneID	17533
NCBI Accession #	NP_032651.2
NCBI GenBank Nucleotide #	NM_008625.2
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	MR; CD206; AW259686
NCBI Protein Information	macrophage mannose receptor 1; MMR
UniProt Protein Name	Macrophage mannose receptor 1
UniProt Gene Name	Mrc1
UniProt Synonym Gene Names	MMR
UniProt Entry Name	MRC1_MOUSE

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/monoclonal/cd206-antibody-clone-mr5d3-immunoprecipitation-immunofluorescence-flow-cytometry-immunohistochemistry-elisa/49652>