

Mouse Mannose Receptor (CD206) ELISA Kit | CD206 elisa kit

Mouse Mannose Receptor (CD206) ELISA Kit

CATALOG #
AAA266535

REACTIVITY
Mouse

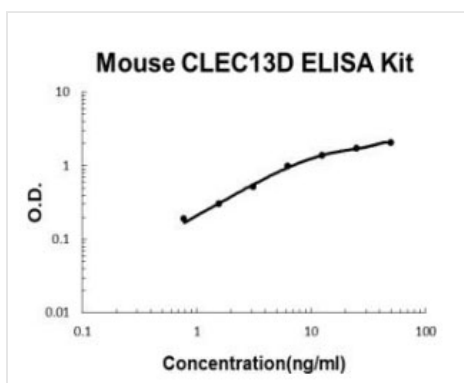
PRODUCT SYNONYMS

Mannose Receptor (CD206); Mouse Mannose Receptor (CD206) ELISA Kit; CD206 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Mrc1
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA, citrate)
Detection Range	0.78 ng/ml - 50 ng/ml
Sensitivity	<50 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter- assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles. (Shipped with wet ice)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD206 elisa kit	Background: The mannose receptor (Cluster of Differentiation 206, CD206) is a C-type lectin primarily present on the surface of macrophages and immature dendritic cells, but is also expressed on the surface of skin cells such as human dermal fibroblasts and keratinocytes. It is the first member of a family of endocytic receptors that includes Endo180 (CD280), M-type PLA2R, and DEC-205 (CD205). This gene is mapped to 2 A2; 2 10.46 cM. 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. Principle of the Assay: This kit is a solid-phase immunoassay specially designed to measure Mouse Mrc1 with a 96-well strip plate that is pre-coated with antibody specific for Mrc1. The detection antibody is a biotinylated antibody specific for Mrc1. The capture antibody is a monoclonal antibody from rat and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Mouse Mrc1 protein as standards. To measure Mouse Mrc1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse Mrc1 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Mrc1 in the sample. Intended Uses: For the quantitation of Mouse Mrc1 concentrations in cell culture supernatants, serum and plasma (heparin, EDTA, citrate).
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	224967062
NCBI GeneID	17533
NCBI Accession #	NP_032651.2
NCBI GenBank Nucleotide #	NM_008625.2
UniProt Accession #	Q61830; Q8C502
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 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.