

Rat Mannose Receptor C Type 1 (MRC1) ELISA Kit | MRC1 elisa kit

Rat Mannose Receptor C Type 1 (MRC1) ELISA Kit

CATALOG #
AAA137208

REACTIVITY
Rat

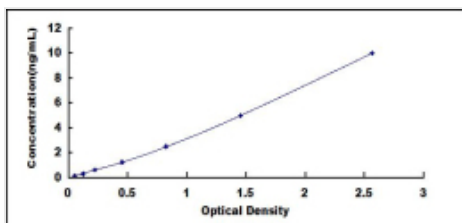
PRODUCT SYNONYMS

Mannose Receptor C Type 1 (MRC1); Rat Mannose Receptor C Type 1 (MRC1) ELISA Kit; CD206; CLEC13D; CLEC13DL; MRC1L1; C-type lectin domain family 13 member D-like; Macrophage mannose receptor 1-like protein 1; MRC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Mannose Receptor C Type 1 (MRC1). No significant cross-reactivity or interference between Mannose Receptor C Type 1 (MRC1) and analogues was observed.
Sequence Length	1456
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Mannose Receptor C Type 1 (MRC1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Mannose Receptor C Type 1 (MRC1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MRC1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mannose Receptor C Type 1 (MRC1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mannose Receptor C Type 1 (MRC1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Mannose Receptor C Type 1 (MRC1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Mannose Receptor C Type 1 (MRC1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MRC1 elisa kit	Signal transduction; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	55666046
NCBI GeneID	4360
UniProt Accession #	Q5VSK2; Q5VSJ2; A5PKW3; P22897
Molecular Weight	56,554 Da
NCBI Official Full Name	mannose receptor, C type 1-like 1
NCBI Official Synonym Full Names	mannose receptor, C type 1
NCBI Official Symbol	MRC1
NCBI Official Synonym Symbols	MMR; 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
UniProt Entry Name	MRC1_HUMAN

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.