

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

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CATALOG #
AAA20365

REACTIVITY
Human

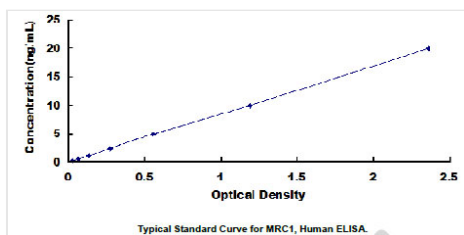
PRODUCT SYNONYMS

Mannose Receptor C Type 1 (MRC1); Human 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MRC1. No significant cross-reactivity or interference between 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	0.312-20ng/mL
Sensitivity	0.113ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MRC1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MRC1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MRC1 in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MRC1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to 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 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 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
References	Plasma Protein Biomarkers Associated with Higher Ovarian Cancer Risk in BRCA1/2 Carriers; HS Ahn

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.