

Human C-type mannose receptor 2 ELISA Kit | MRC2 elisa kit

Human C-type mannose receptor 2 ELISA Kit

CATALOG #
AAA17527

REACTIVITY
Human

PRODUCT SYNONYMS

C-type mannose receptor 2; Human C-type mannose receptor 2 ELISA Kit; MRC2 (CD280C-type mannose receptor 2)/CD280/CLEC13E/Endo180/uPARAP/CD280 antigen/CLEC13EUPAR-associated protein/ENDO180C-type lectin domain family 13 member E/Endocytic receptor 180/KIAA0709FLJ35911/Macrophage mannose receptor 2/mannose receptor; C type 2/UPARAPendocytic receptor (macrophage mannose receptor family)/urokinase plasminogen activator receptor-associated protein/Urokinase receptor-associated protein/Urokinase-type plasminogen activator receptor-associated protein; MRC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MPO. No significant cross-reactivity or interference between MPO and analogues was observed.
Sequence Length	1479
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MPO were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MPO were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a MRC2 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	ng/ml	0	0.312	0.625	1.25	2.5	5	10	20
Y	OD450	0.111	0.328	0.515	0.792	1.213	1.638	2.078	2.447

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MRC2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MPO antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-MPO antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the MPO amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of MPO can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	110624774
NCBI GeneID	9902
NCBI Accession #	NP_006030.2
NCBI GenBank Nucleotide #	NM_006039.4
Molecular Weight	166,674 Da
NCBI Official Full Name	C-type mannose receptor 2
NCBI Official Synonym Full Names	mannose receptor, C type 2
NCBI Official Symbol	MRC2
NCBI Official Synonym Symbols	CD280; UPARAP; CLEC13E; ENDO180
NCBI Protein Information	C-type mannose receptor 2
UniProt Protein Name	C-type mannose receptor 2
UniProt Gene Name	MRC2
UniProt Synonym Gene Names	CLEC13E; ENDO180; KIAA0709; UPARAP; UPAR-associated protein; Urokinase receptor-associated protein
UniProt Entry Name	MRC2_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.

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Online datasheet: <https://stage.aaabiotech.com/mrc2-human-elisa-kits/c-type-mannose-receptor-2/17527>