

Human Mannose Associated Serine Protease 1 (MASP1) ELISA Kit | MASP1 elisa kit

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CATALOG #
AAA66908

REACTIVITY
Human

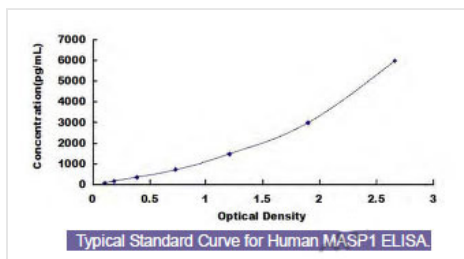
PRODUCT SYNONYMS

Mannose Associated Serine Protease 1 (MASP1); Human Mannose Associated Serine Protease 1 (MASP1) ELISA Kit; CRARF; PRSS5; Mannan-Binding Lectin Serine Peptidase 1; Ra-reactive factor serine protease p100; Complement-activating component of Ra-reactive factor; Serine protease 5; MASP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MASP1. No significant cross-reactivity or interference between MASP1 and analogues was observed.
Sequence Length	380
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	93.75-6000pg/mL
Sensitivity	32.12pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MASP1 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 MASP1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MASP1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MASP1 in human serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MASP1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MASP1. 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 MASP1, 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 MASP1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	73623026
NCBI GeneID	5648
NCBI Accession #	NP_001027019.1
NCBI GenBank Nucleotide #	NM_001031849.2
UniProt Accession #	P48740; O95570; Q68D21; Q8IUV8; Q96RS4; Q9UF09; A8K542; A8K6M1; B4E2L7
Molecular Weight	68,918 Da
NCBI Official Full Name	mannan-binding lectin serine protease 1 isoform 3
NCBI Official Synonym Full Names	mannan binding lectin serine peptidase 1
NCBI Official Symbol	MASP1
NCBI Official Synonym Symbols	3MC1; MAP1; MASP; RaRF; CRARF; MASP3; Map44; PRSS5; CRARF1
NCBI Protein Information	mannan-binding lectin serine protease 1
UniProt Protein Name	Mannan-binding lectin serine protease 1
UniProt Gene Name	MASP1
UniProt Synonym Gene Names	CRARF; CRARF1; PRSS5; MASP-1; RaRF

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/human-elisa-kits/mannose-associated-serine-protease-1-masp1/66908>