

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

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CATALOG #
AAA135691

REACTIVITY
Human

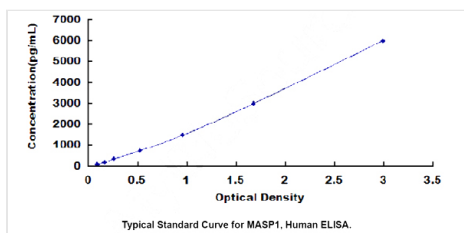
PRODUCT SYNONYMS

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	728
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma and other biological fluids
Detection Range	93.75-6,000pg/mL
Sensitivity	< 38.62pg/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	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 MASP1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MASP1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MASP1 in human serum, plasma and other biological fluids.
Product Categories/Family for MASP1 elisa kit	Enzyme & Kinase; Metabolic pathway; Apoptosis; Infection immunity; Hematology

NCBI AND UNIPROT INFORMATION

NCBI GI #	21264359
NCBI GeneID	5648
NCBI Accession #	NP_624302.1
NCBI GenBank Nucleotide #	NM_139125.3
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 2
NCBI Official Synonym Full Names	mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor)
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
UniProt Entry Name	MASP1_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.