

Human MASP1 ELISA Kit | MASP1 elisa kit

Human MASP1 (Mannan Associated Serine Protease 1) ELISA Kit

CATALOG #
AAA21638

REACTIVITY
Human

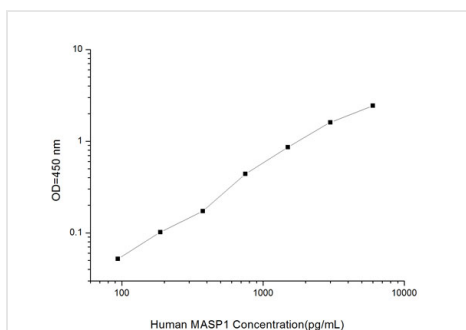
PRODUCT SYNONYMS

MASP1; Human MASP1 (Mannan Associated Serine Protease 1) ELISA Kit; MASP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human MASP1 in samples. No significant cross-reactivity or interference between Human MASP1 and analogues was observed.
Sequence Length	488
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	93.75-6000pg/mL
Sensitivity	56.25pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human MASP1 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human MASP1 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MASP1 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human MASP1. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human MASP1 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human MASP1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Human MASP1. You can calculate the concentration of Human MASP1 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human MASP1 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24981014
NCBI GeneID	5648
UniProt Accession #	P48740; O95570; Q68D21; Q8IUW8; Q96RS4; Q9UF09; A8K542; A8K6M1; B4E2L7
Molecular Weight	68,918 Da
NCBI Official Full Name	MASP1 protein, partial
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; Ra-reactive factor serine protease p100; complement factor MASP-3; complement-activating component of Ra-reactive factor; mannose-binding lectin-associated serine protease 1; mannose-binding protein-associated serine protease; serine protease 5
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.