

Human MSP/MST1 ELISA Kit | MST1 elisa kit

Human MSP/MST1 PicoKine ELISA Kit

CATALOG #
AAA45787

REACTIVITY
Human

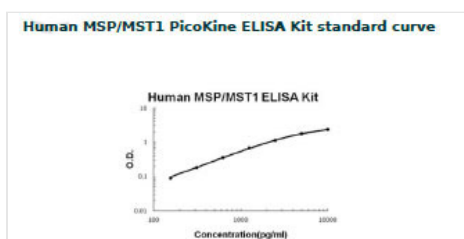
PRODUCT SYNONYMS

MSP/MST1; Human MSP/MST1 PicoKine ELISA Kit; Hepatocyte growth factor-like protein; macrophage stimulating 1 (hepatocyte growth factor-like); D3F15S2; D3F15S2h; D9H3F15S2; DNF15S2; DNF15S2h; Hepatocyte growth factor like protein; Hepatocyte growth factor like protein homolog; HGFL; Macrophage stimulating 1; Macrophage stimulatory protein; MSP; MST1; NF15S2; MST1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human MST1
Sequence Length	711
Samples	Cell culture supernates, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess interassay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MST1 elisa kit	Principle of the Assay: The Picokine™ Human MST1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human MST1 with a 96-well strip plate that is pre-coated with antibody specific for MST1. The detection antibody is a biotinylated antibody specific for MST1. The capture antibody is monoclonal antibody from mouse, the detection antibody is monoclonal antibody from mouse. The kit contains recombinant Human MST1 with immunogen: Expression system for standard: NSO; Immunogen sequence: Q19-G711. The kit is analytically validated with ready to use reagents. To measure Human MST1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human MST1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human MST1 in the sample.!!Background/Introduction: Macrophage Stimulating 1(SMT1), also known as Hepatocyte growth factor-like protein(HGFL) and MSP, is a protein that in humans is encoded by the MST1 gene. The HGFL gene was identified at the DNF15S2 locus on human chromosome 3(3p21). The RON tyrosine kinase), the receptor for MSP, is expressed on the ciliated epithelia of the mucociliary transport apparatus of the lung. Furthermore, MSP stimulated ciliary motility in these cells by activating RON.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	147744563
NCBI GeneID	4485
UniProt Accession #	P26927; Q13350; Q14870; Q6GTN4; A6NLA3; A8MSX3
Molecular Weight	80,320 Da
NCBI Official Full Name	Hepatocyte growth factor-like protein
NCBI Official Synonym Full Names	macrophage stimulating 1 (hepatocyte growth factor-like)
NCBI Official Symbol	MST1
NCBI Official Synonym Symbols	MSP; HGFL; NF15S2; D3F15S2; DNF15S2
NCBI Protein Information	hepatocyte growth factor-like protein; macrophage-stimulating protein; hepatocyte growth factor-like protein homolog
UniProt Protein Name	Hepatocyte growth factor-like protein
UniProt Gene Name	MST1
UniProt Synonym Gene Names	D3F15S2; DNF15S2; HGFL; MSP
UniProt Entry Name	HGFL_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.