

Mouse MSP/MST1 ELISA Kit | STK4 elisa kit

Mouse MSP/MST1 PicoKine ELISA Kit

CATALOG #
AAA45939

REACTIVITY
Mouse

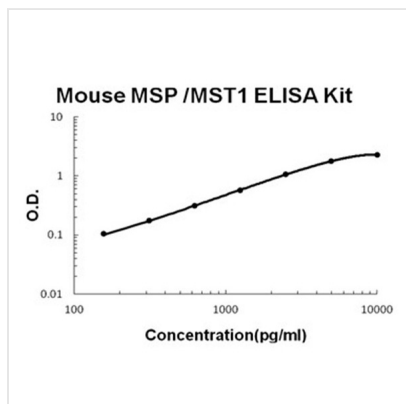
PRODUCT SYNONYMS

MSP/MST1; Mouse MSP/MST1 PicoKine ELISA Kit; Serine/threonine-protein kinase 4; serine/threonine kinase 4; 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; STK4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse MSP
Sequence Length	487
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10 pg/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 between assays) Three samples of known concentration were tested in separate assays to assess inter-assay 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)

Mouse MSP/MST1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for STK4 elisa kit	Principle of the assay: mouse MSP ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for MSP has been precoated onto 96-well plates. Standards(CHO, Q19-E716) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for MSP is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 mouse MSP amount of sample captured in plate. Background: 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 #	81917474
NCBI GeneID	58231
UniProt Accession #	Q9JI11
Molecular Weight	55,541 Da
NCBI Official Full Name	Serine/threonine-protein kinase 4
NCBI Official Synonym Full Names	serine/threonine kinase 4
NCBI Official Symbol	Stk4
NCBI Official Synonym Symbols	Mst1; Ysk3; Kas-2; AI447339; AU020804
NCBI Protein Information	serine/threonine-protein kinase 4; MST-1; STE20-like kinase MST1; sterile 20-like kinase 1; Yeast Sps1/Ste20-related kinase 3; mammalian STE20-like protein kinase 1
UniProt Protein Name	Serine/threonine-protein kinase 4
UniProt Gene Name	Stk4
UniProt Synonym Gene Names	Mst1; MST-1; MST1/N; MST1/C
UniProt Entry Name	STK4_MOUSE

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.