

Rat Macrophage Stimulating Protein (MSP) ELISA Kit | MSP elisa kit

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CATALOG #
AAA184378

REACTIVITY
Rat

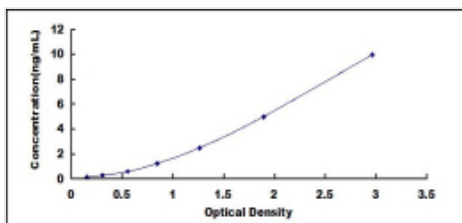
PRODUCT SYNONYMS

Macrophage Stimulating Protein (MSP); Rat Macrophage Stimulating Protein (MSP) ELISA Kit; MST1; HGFL; NF15S2; Hepatocyte Growth Factor-Like Protein; Macrophage Stimulating 1; MSP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Macrophage Stimulating Protein (MSP). No significant cross-reactivity or interference between Macrophage Stimulating Protein (MSP) and analogues was observed.
Sequence Length	711
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.059ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Macrophage Stimulating Protein (MSP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Macrophage Stimulating Protein (MSP) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 MSP elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Macrophage Stimulating Protein (MSP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Macrophage Stimulating Protein (MSP). 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 Macrophage Stimulating Protein (MSP), 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 Macrophage Stimulating Protein (MSP) 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 #	398038
NCBI GeneID	4485
UniProt Accession #	P26927; Q13350; Q14870; Q6GTN4; A6NLA3; A8MSX3
Molecular Weight	80,320 Da
NCBI Official Full Name	macrophage-stimulating protein
NCBI Official Synonym Full Names	macrophage stimulating 1
NCBI Official Symbol	MST1
NCBI Official Synonym Symbols	MSP; HGFL; NF15S2; D3F15S2; DNF15S2
NCBI Protein Information	hepatocyte growth factor-like protein
UniProt Protein Name	Hepatocyte growth factor-like protein
UniProt Gene Name	MST1
UniProt Synonym Gene Names	D3F15S2; DNF15S2; HGFL; MSP

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/rat-elisa-kits/macrophage-stimulating-protein-msp/184378>