

Mouse HGF ELISA Kit | HGF elisa kit

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CATALOG #
AAA263124

REACTIVITY
Mouse

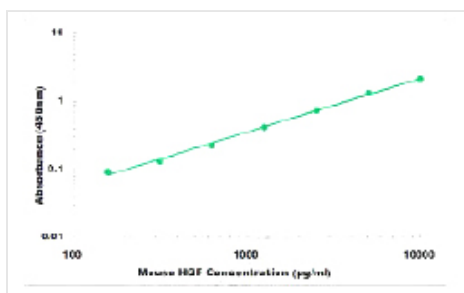
PRODUCT SYNONYMS

HGF; Mouse HGF ELISA Kit; HPTA; Hepatocyte growth factor; Hepatopoietin-A; Scatter factor; SF; HGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse HGF ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse HGF proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	728
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HGF elisa kit	Principle of the Assay: The Mouse HGF ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse HGF in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Mouse HGF coated on a 96-well plate. Standards and samples are pipetted into the wells and HGF present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse HGF antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of HGF bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background: Hepatocyte growth factor(HGF) is the most potent mitogen for mature parenchymal hepatocytes in primary culture, and seems to be a hepatotrophic factor that acts as a trigger for liver regeneration after partial hepatectomy and liver injury. HGF has a relative molecular mass(Mr) of 82,000 and is a heterodimer composed of a large alpha-subunit of Mr 69,000 and a small beta-subunit of Mr 34,000. The protein consists of 728 amino acid residues, including a possible signal peptide at the N-terminus. HGF may serve as a paracrine mediator to control placental development and growth. This growth factor may play an important role as a paracrine mediator of the proliferation of melanocytes and endothelial cells, as well as cells of epithelial origin. The gene encoding the human HGF is assigned to human chromosome 7.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	575501559
NCBI GeneID	15234
NCBI Accession #	NP_001276387.1
NCBI GenBank Nucleotide #	NM_001289458.1
UniProt Accession #	Q08048; O55027; Q53WS5; Q61662; Q64007; Q6LBE6
Molecular Weight	24,308 Da
NCBI Official Full Name	hepatocyte growth factor isoform 1 preproprotein
NCBI Official Synonym Full Names	hepatocyte growth factor
NCBI Official Symbol	Hgf
NCBI Official Synonym Symbols	SF; NK1; NK2; HGF/SF; SF/HGF; C230052L06Rik
NCBI Protein Information	hepatocyte growth factor
UniProt Protein Name	Hepatocyte growth factor
UniProt Gene Name	Hgf
UniProt Synonym Gene Names	SF
UniProt Entry Name	HGF_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.