

Mouse HGF PicoKine ELISA Kit | Hgf elisa kit

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CATALOG #
AAA46169

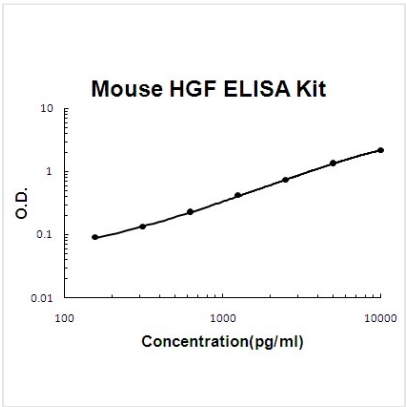
REACTIVITY
Mouse

PRODUCT SYNONYMS

HGF PicoKine; Mouse HGF PicoKine ELISA Kit; Hepatocyte growth factor; DFNB39; F TCF; Fibroblast derived tumor cytotoxic factor; Hepapoiectin A; Hepatocyte growth factor (hepapoietin A scatter factor; Hepatocyte growth factor beta chain; Hepatopoietin-A; Hgf; HGF_HUMAN; HGFB; HPTA; Lung fibroblast derived mitogen; Scatter factor; SF; hepatocyte growth factor (hepapoietin A; scatter factor); Hgf elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse HGF
Sequence Length	728
Assay Range	62.5pg/ml-4000pg/ml
Sensitivity	<10pg/ml
Sample	For quantitative detection of mouse HGF in cell culture supernates, serum and plasma(EDTA, citrate).
Immunogen	NSO,Q33-R495 (alpha)&V496-L728 (beta)
Assay Procedure Step 1	Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml mouse HGF standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates, serum or plasma(EDTA, citrate) to each empty well. We recommend that each mouse HGF standard solution and each sample is measured in duplicate.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml) 427 1523 3342 501 1756 3471 Standard deviation 17.93 76.15 187.15 37.58 136.97 284.62 CV(%) 4.2 5.0 5.6 7.5 7.8 8.2
Sample Data	Concentration(pg/ml) 0 62.5 125 250 500 1000 2000 4000 O.D. 0.055 0.091 0.132 0.226 0.412 0.730 1.331 2.160
Anticoagulant	Heparin or EDTA
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Mouse HGF PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Hgf elisa kit

Principle of the assay: Mouse HGF ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for HGF has been precoated onto 96-well plates. Standards(NSO,Q33-R495 (alpha) & V496 - L728 (beta)) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for HGF 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 HGF amount of sample captured in plate.

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.

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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/hgf-picokine/46169>