

Human HGF ELISA Kit | HGF elisa kit

Human HGF PicoKine ELISA Kit

CATALOG #
AAA45196

REACTIVITY
Human

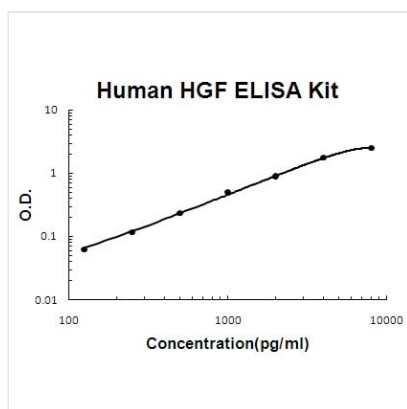
PRODUCT SYNONYMS

HGF; Human HGF PicoKine ELISA Kit; Hepatocyte growth factor; hepatocyte growth factor (hepapoietin A; scatter factor); DFNB39; F TCF; Fibroblast derived tumor cytotoxic factor; Hepapoietin 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; HGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human HGF
Sequence Length	728
Samples	Cell culture supernates, serum and plasma (EDTA, citrate)
Assay Type	Sandwich
Detection Range	125pg/ml-8000pg/ml
Sensitivity	< 5pg/ml
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)

Human HGF PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for HGF elisa kit	Principle of the assay: human HGF ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for HGF has been precoated onto 96-well plates. Standards(sf21,Q32-R494 (alpha) & V495-S728 (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 human 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 34,000.¹ The protein consists of 728 amino acid residues, including a possible signal peptide at the N-terminus.² HGF may serve as a paracrine mediator to control placental development and growth.³ 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.⁴ The gene encoding the human HGF is assigned to human chromosome 7.5
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NCBI AND UNIPROT INFORMATION

NCBI GI #	123116
NCBI GeneID	3082
UniProt Accession #	P14210; Q02935; Q13494; Q14519; Q3KRB2; Q8TCE2; Q9BYL9; Q9BYM0; Q9UDU6; A1L3U6
Molecular Weight	24,116 Da
NCBI Official Full Name	Hepatocyte growth factor
NCBI Official Synonym Full Names	hepatocyte growth factor (hepapoietin A; scatter factor)
NCBI Official Symbol	HGF
NCBI Official Synonym Symbols	SF; HGFB; HPTA; F-TCF; DFNB39
NCBI Protein Information	hepatocyte growth factor; hepatopoeitin-A; hepatopietin-A; lung fibroblast-derived mitogen; fibroblast-derived tumor cytotoxic factor
UniProt Protein Name	Hepatocyte growth factor
UniProt Gene Name	HGF
UniProt Synonym Gene Names	HPTA; SF
UniProt Entry Name	HGF_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.