



Fish hepatocyte growth factor(HGF)ELISA Kit

Product Code	CSB-E16527Fh
Abbreviation	HGF
Target Name	hepatocyte growth factor(HGF)
Uniprot No.	F1REK1
Alias	DFNB39, F-TCF, HGFB, HPTA, SF, OTTHUMP00000206710 fibroblast-derived tumor cytotoxic factor hepatocyte growth factor lung fibroblast-derived mitogen
Product Type	ELISA Kit
Immunogen Species	Fish
Sample Types	serum, plasma
Detection Range	200 pg/mL-8000 pg/mL
Sensitivity	167 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Cancer
Tag Info	quantitative
Protein Description	Competitive
Target Details	Hepatocyte growth factor regulates cell growth, cell motility, and morphogenesis by activating a tyrosine kinase signaling cascade after binding to the proto-oncogenic c-Met receptor. Hepatocyte growth factor is secreted by mesenchymal cells and acts as a multi-functional cytokine on cells of mainly epithelial origin. Its ability to stimulate mitogenesis, cell motility, and matrix invasion gives it a central role in angiogenesis, tumorigenesis, and tissue regeneration. It is secreted as a single inactive polypeptide and is cleaved by serine proteases into a 69-kDa alpha-chain and 34-kDa beta-chain. A disulfide bond between the alpha and beta chains produces the active, heterodimeric molecule. The protein belongs to the plasminogen subfamily of S1 peptidases but has no detectable protease activity. Alternative splicing of this gene produces multiple transcript variants encoding different isoforms.
Product Precision	Intra-assay Precision (Precision within an assay): CV%<15% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV%<15% Three samples of known concentration were tested in twenty assays to assess.



Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of fish HGF in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	95
	Range %	89-105
1:2	Average %	89
	Range %	85-100
1:4	Average %	89
	Range %	82-100
1:8	Average %	93
	Range %	87-99

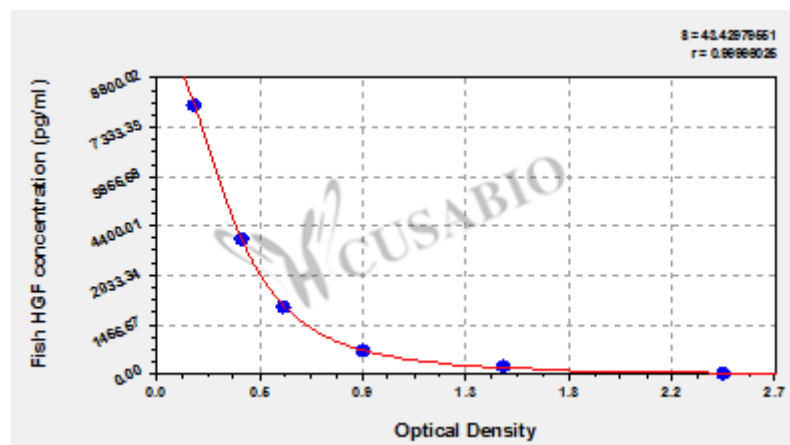
Recovery

The recovery of fish HGF spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	93	88-98
EDTA plasma (n=4)	95	89-102

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	?
8000	0.176	0.182	0.179	?
4000	0.381	0.379	0.380	?
2000	0.558	0.565	0.562	?
685	0.886	0.902	0.894	?
230	1.502	1.488	1.495	?
0	2.415	2.436	2.426	?