

ARG83035
Mouse HGF ELISA KitPackage: 96 wells
Store at: 4°C

Summary

Product Description	ARG83035 Mouse HGF ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse HGF in serum, plasma (heparin), ascites, urine and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	Not cross-reacts with: Human HGF Activator, MSP, MSP beta chain. Mouse HGF, HGF Activator, MSP, MSP beta chain. Rat HGF, HGF Activator, MSP, MSP beta chain.
Target Name	HGF
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.39 ng/ml
Sample Type	Serum, plasma (heparin), ascites, urine and cell culture supernatants.
Standard Range	0.78 - 50 ng/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 10%
Alternate Names	HGF, Hepatocyte Growth Factor, HPTA, SF, F TCF, HGFB, Hepatocyte Growth Factor (Hepapoinetin A; Scatter Factor), Fibroblast-Derived Tumor Cytotoxic Factor, Lung Fibroblast Derived Mitogen, Hepatopoinetin A, Scatter Factor, DFNB39, Deafness, Autosomal Recessive 39, Hepatopoinetin A, EC 3.4.21.7, EC 3.4.21

Application Instructions

Assay Time	~ 4 hours
------------	-----------

Properties

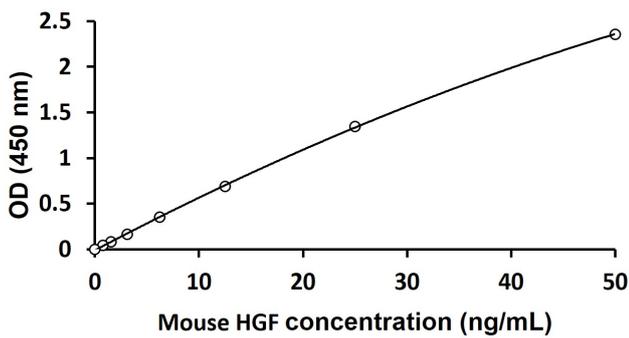
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	HGF
-------------	-----

Gene Full Name	Hepatocyte growth factor
Background	This gene encodes a protein that binds to the hepatocyte growth factor receptor to regulate cell growth, cell motility and morphogenesis in numerous cell and tissue types. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate alpha and beta chains, which form the mature heterodimer. This protein is secreted by mesenchymal cells and acts as a multi-functional cytokine on cells of mainly epithelial origin. This protein also plays a role in angiogenesis, tumorigenesis, and tissue regeneration. Although the encoded protein is a member of the peptidase S1 family of serine proteases, it lacks peptidase activity. Mutations in this gene are associated with nonsyndromic hearing loss. [provided by RefSeq, Nov 2015]
Function	Potent mitogen for mature parenchymal hepatocyte cells, seems to be a hepatotrophic factor, and acts as a growth factor for a broad spectrum of tissues and cell types. Activating ligand for the receptor tyrosine kinase MET by binding to it and promoting its dimerization. [UniProt]
Highlight	Related products: HGF antibodies ; HGF ELISA Kits ; HGF recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Disulfide bond, Glycoprotein, Pyrrolidone carboxylic acid. [UniProt]
Cellular Localization	extracellular region, extracellular space. [UniProt]

Images



ARG83035 Mouse HGF ELISA Kit standard curve image

ARG83035 Mouse HGF ELISA Kit results of standard run with optical density reading at 450 nm