ARG83887
Human HGF (High sensitive) ELISA Kit

Package: 96 wells
Store at: 4°C, -20°C

Summary

Product Description	ARG83887 Human HGF (High sensitive) ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human HGF in serum, plasma, cell culture supernatants
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	HGF
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.625 pg/ml
Sample Type	serum, plasma, cell culture supernatants
Standard Range	31.25 - 2000 pg/ml
Sample Volume	50 µl
Alternate Names	HPTA; Scatter factor; F-TCF; Hepatocyte growth factor; DFNB39; Hepatopoietin-A; HGFB; SF

Application Instructions

Assay Time	4 hours

Properties

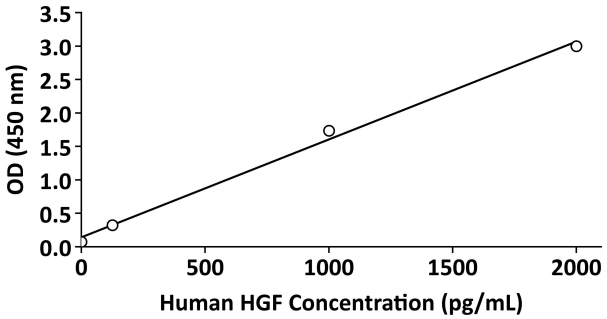
Form	96 well
Storage instruction	Store the kit at 4°C, -20°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	HGF
Gene Full Name	hepatocyte growth factor (hepapoietin A; scatter factor)
Background	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, tumorogenesis, 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. [provided by RefSeq, Jul 2008]

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]

Images



ARG83887 Human HGF (High sensitive) ELISA Kit standard curve image

ARG83887 Human HGF (High sensitive) ELISA Kit results of a typical standard run with optical density reading at 450 nm.