Mouse Hepatocyte Growth Factor Receptor(C-MET/HGFR)ELISA Kit

Product Code	CSB-E13492m
Abbreviation	MET
Target Name	met proto-oncogene (hepatocyte growth factor receptor)
Uniprot No.	P16056
Alias	AUTS9, HGFR, RCCP2, c-Met, HGF receptor|SF receptor|met proto-oncogene|met proto-oncogene tyrosine kinase|oncogene MET|scatter factor receptor
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.078 ng/mL-5 ng/mL
Sensitivity	0.02 ng/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
Gene Names	Met
Tag Info	quantitative
Protein Description	Sandwich

Description

The mouse hepatocyte growth factor receptor (HGFR) ELISA kit is suitable for quantitatively determining mouse HGFR in serum, plasma, or tissue homogenates. This assay employs the bi-antibody sandwich technique and enzyme-substrate chromogenic reaction to quantify mouse HGFR levels in the sample. The amount of synthesized colored product is positively related to the analyte of interest in the sample.

HGFR, also called MET/c-MET, is stimulated upon HGF binding and further activates downstream effector molecules, thus eliciting Grb2-Ras-Raf-Erk/MAPK, Gab1-Shp2-Erk/MAPK, PI3K-AKT, and STAT3 signaling pathway. HGF/c-MET signaling is involved in different processes including normal development, organ regeneration, cell cycle progression, cell proliferation, survival, migration, invasion, and tumorigenesis. Dysregulation of HGF/cMET signaling plays a crucial role in several human cancers, especially in invasion

	and metastasis.
Target Details	The proto-oncogene MET product is the hepatocyte growth factor receptor and encodes tyrosine-kinase activity. The primary single chain precursor protein is post-translationally cleaved to produce the alpha and beta subunits, which are disulfide linked to form the mature receptor. Various mutations in the MET gene are associated with papillary renal carcinoma. Two transcript variants encoding different isoforms have been found for this gene.
Msds	{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E13492m.pdf","filename":"MSDS"}}