



Mouse Fibrinogen-like protein 1(FGL1) ELISA kit

Product Code	CSB-EL008653MO
Abbreviation	FGL1
Target Name	fibrinogen-like 1
Uniprot No.	Q71KU9
Alias	HFREP1, HP-041, LFIRE1, MGC12455, OTTHUMP00000122468 hepassocin hepatocellular carcinoma-related sequence hepatocyte-derived fibrinogen-related protein 1
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.8 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	Cardiovascular
Gene Names	Fgl1
Tag Info	quantitative
Protein Description	Competitive
Description	This Mouse FGL1 ELISA Kit was designed for the quantitative measurement of Mouse FGL1 protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.8 pg/mL.
Target Details	Fibrinogen-like 1 is a member of the fibrinogen family. This protein is homologous to the carboxy terminus of the fibrinogen beta- and gamma-subunits which contains the four conserved cysteines of fibrinogens and fibrinogen related proteins. However, this protein lacks the platelet-binding site, cross-linking region and a thrombin-sensitive site which are necessary for fibrin clot formation. This protein may play a role in the development of hepatocellular carcinomas. Four alternatively spliced transcript variants encoding the same protein exist for this gene.
Product Precision	Intra-assay Precision (Precision within an assay): CV%<8%



Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

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 mouse FGL1 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)
1:100	Average %	95
	Range %	91-99
1:200	Average %	84
	Range %	81-89
1:400	Average %	83
	Range %	90-96
1:800	Average %	87
	Range %	84-90

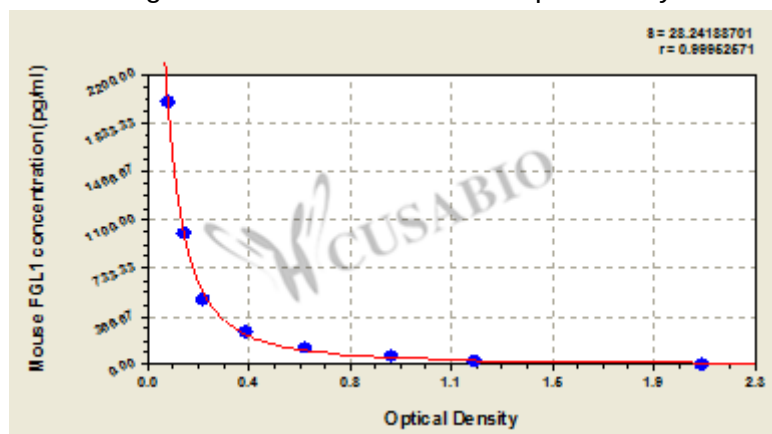
Recovery

The recovery of mouse FGL1 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)	104	100-108
EDTA plasma (n=4)	107	104-110

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
2000	0.076	0.079	0.078
1000	0.135	0.146	0.141
500	0.206	0.220	0.213
250	0.362	0.379	0.371
125	0.593	0.586	0.590
62.5	0.901	0.932	0.917
31.25	1.213	1.236	1.225
0	2.054	2.098	2.076