



Mouse Stem cell factor/mast cell growth factor,SCF/MGF ELISA kit

Product Code	CSB-E04719m
Abbreviation	KITLG
Protein Biological Process 1	Cell Adhesion
Target Name	KIT ligand
Uniprot No.	P20826
Alias	DKFZp686F2250, FPH2, KL-1, Kitl, MGF, SCF, SF, SHEP7, familial progressive hyperpigmentation 2 mast cell growth factor steel factor stem cell factor
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Cell adhesion
Sample Types	serum, plasma, tissue homogenates
Detection Range	3.12 pg/mL-200 pg/mL
Sensitivity	0.78 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	Immunology
Gene Names	Kitlg
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse KITLG ELISA Kit was designed for the quantitative measurement of Mouse KITLG protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 3.12 pg/mL-200 pg/mL and the sensitivity is 0.78 pg/mL.
Target Details	This gene encodes the ligand of the tyrosine-kinase receptor encoded by the KIT locus. This ligand is a pleiotropic factor that acts in utero in germ cell and neural cell development, and hematopoiesis, all believed to reflect a role in cell migration. In adults, it functions pleiotropically, while mostly noted for its



continued requirement in hematopoiesis. Two transcript variants encoding different isoforms have been found 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 SCF/MGF 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)
	Average %	83
1:1	Range %	80-85
	Average %	100
1:2	Range %	97-103
	Average %	86
1:4	Range %	83-89
	Average %	108
1:8	Range %	104-112

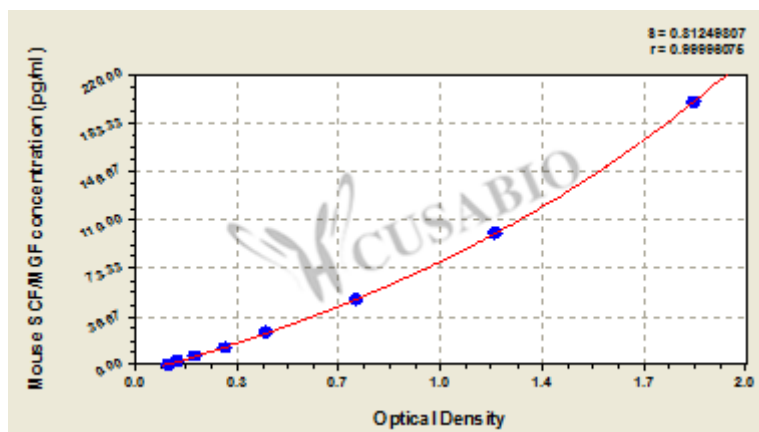
Recovery

The recovery of mouse SCF/MGF 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)	99	95-103
EDTA plasma (n=4)	86	83-89

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	Corrected
200	1.804	1.900	1.852	1.735
100	1.195	1.201	1.198	1.081
50	0.731	0.749	0.740	0.623
25	0.448	0.438	0.443	0.326
12.5	0.309	0.306	0.308	0.191
6.25	0.205	0.210	0.208	0.091
3.12	0.151	0.150	0.151	0.034
0	0.118	0.116	0.117	?

Msds

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