



Mouse Vascular endothelial cell growth factor receptor 1, VEGFR-1/Flt1 ELISA kit

Product Code	CSB-E04762m
Abbreviation	VEGFR-1/Flt1
Protein Biological Process 1	Angiogenesis
Target Name	fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)
Uniprot No.	P35969
Alias	FLT, VEGFR1, fms-related tyrosine kinase 1 vascular endothelial growth factor receptor 1
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Angiogenesis
Sample Types	serum, plasma, tissue homogenates
Detection Range	1.56 ng/mL-100 ng/mL
Sensitivity	0.39 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	Cardiovascular
Gene Names	Flt1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse VEGFR-1/Flt1 ELISA Kit was designed for the quantitative measurement of Mouse VEGFR-1/Flt1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 1.56 ng/mL-100 ng/mL and the sensitivity is 0.39 ng/mL.
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 VEGFR-1/Flt1 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 %	90
1:1	Range %	85-95
	Average %	103
1:2	Range %	100-106
	Average %	85
1:4	Range %	80-90
	Average %	104
1:8	Range %	100-107

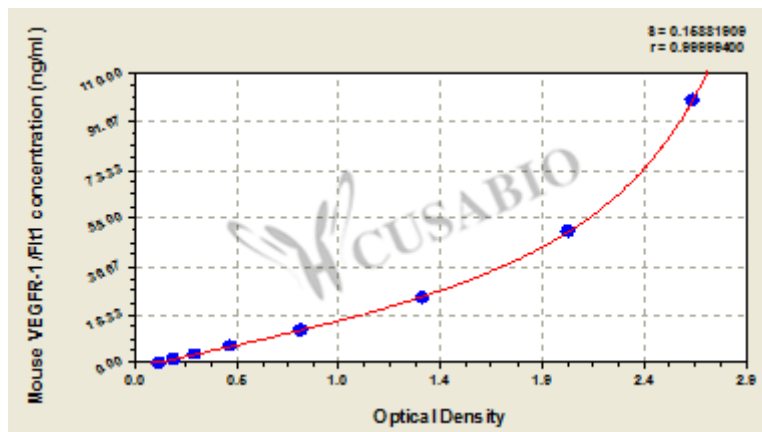
Recovery

The recovery of mouse VEGFR-1/Flt1 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)	84	80-90
EDTA plasma (n=4)	108	104-112

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
100	2.602	2.631	2.617	2.495
50	2.003	2.068	2.036	1.914
25	1.339	1.361	1.350	1.228
12.5	0.785	0.779	0.782	0.660
6.25	0.452	0.461	0.457	0.335
3.12	0.284	0.291	0.288	0.166
1.56	0.186	0.187	0.187	0.065
0	0.120	0.123	0.122	?

Msds

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