



Mouse Vascular Endothelial cell Growth Factor B, VEGF-B ELISA kit

Product Code	CSB-E07365m
Abbreviation	VEGFB
Protein Biological Process 1	Angiogenesis
Target Name	vascular endothelial growth factor B
Uniprot No.	P49766
Alias	VEGFL, VRF
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Angiogenesis
Sample Types	serum, plasma, cell culture supernates, tissue homogenates
Detection Range	7.8 pg/mL-500 pg/mL
Sensitivity	0.195 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	Cancer
Gene Names	Vegfb
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse VEGFB ELISA Kit was designed for the quantitative measurement of Mouse VEGFB protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 7.8 pg/mL-500 pg/mL and the sensitivity is 0.195 pg/mL .
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8%</p> <p>Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10%</p>



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 VEGF-B 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 %	97
1:1	Range %	92-102
	Average %	91
1:2	Range %	84-97
	Average %	90
1:4	Range %	87-94
	Average %	100
1:8	Range %	95-103

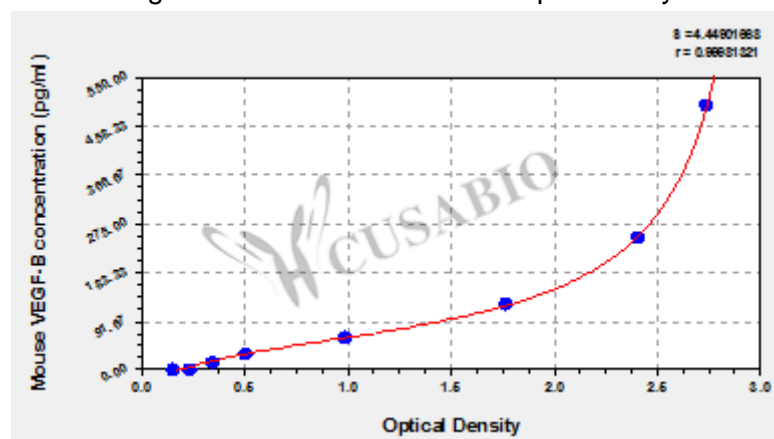
Recovery

The recovery of mouse VEGF-B 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)	90	87-93
EDTA plasma (n=4)	93	90-96

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
500	2.743	2.763	2.753	2.589
250	2.405	2.435	2.420	2.256
125	1.756	1.796	1.776	1.612
62.5	0.978	1.016	0.997	0.833
31.2	0.501	0.535	0.518	0.354
15.6	0.351	0.359	0.355	0.191
0.78	0.237	0.255	0.246	0.082
0	0.162	0.165	0.164	?

Msds

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