



# Mouse Vascular Endothelial cell Growth Factor C, VEGF-C ELISA kit

<b>Product Code</b>	CSB-E07361m
<b>Abbreviation</b>	VEGFC
<b>Protein Biological Process 1</b>	Angiogenesis
<b>Target Name</b>	vascular endothelial growth factor C
<b>Uniprot No.</b>	P97953
<b>Alias</b>	Flt4-L, VRP, FLT4 ligand DHM vascular endothelial growth factor-related protein
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Protein Biological Process 3</b>	Angiogenesis
<b>Sample Types</b>	serum, plasma, cell culture supernates, tissue homogenates, cell lysates
<b>Detection Range</b>	1.56 pg/mL-100 pg/mL
<b>Sensitivity</b>	0.39 pg/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Cancer
<b>Gene Names</b>	Vegfc
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich

**Description**

This Mouse VEGFC ELISA Kit was designed for the quantitative measurement of Mouse VEGFC protein in serum, plasma, cell culture supernates, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 1.56 pg/mL-100 pg/mL and the sensitivity is 0.39 pg/mL.

**Target Details**

This protein is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family, is active in angiogenesis and endothelial cell growth, and can also affect the permeability of blood vessels. This secreted protein undergoes a complex proteolytic maturation, generating multiple processed forms which bind and activate VEGFR-3 receptors. Only the



fully processed form can bind and activate VEGFR-2 receptors. This protein is structurally and functionally similar to vascular endothelial growth factor D.

#### 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 VEGF-C 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 %	85
1:1	Range %	80-92
	Average %	95
1:2	Range %	91-105
	Average %	102
1:4	Range %	92-110
	Average %	90
1:8	Range %	86-98

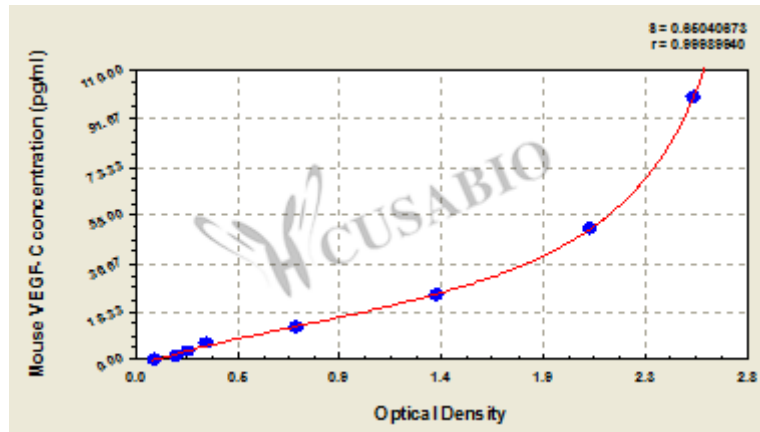
#### Recovery

The recovery of mouse VEGF-C 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)	94	89-98
EDTA plasma (n=4)	96	90-100

#### 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
100	2.600	2.511	2.556	2.462
50	2.020	2.152	2.086	1.992
25	1.391	1.366	1.379	1.285
12.5	0.735	0.744	0.740	0.646
6.25	0.331	0.321	0.326	0.232
3.12	0.255	0.235	0.245	0.151
1.56	0.188	0.186	0.187	0.093
0	0.097	0.091	0.094	?

## Msds

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