



Human Vascular endothelial cell growth factor receptor 3, VEGFR-3/Flt-4 ELISA Kit

Product Code	CSB-E04765h
Abbreviation	VEGFR-3/Flt-4
Target Name	fms-related tyrosine kinase 4
Uniprot No.	P35916
Alias	FLT41, LMPH1A, PCL, VEGFR3, soluble VEGFR3 variant 1 soluble VEGFR3 variant 2 soluble VEGFR3 variant 3 vascular endothelial growth factor receptor 3
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.156 ng/mL-10 ng/mL
Sensitivity	0.039 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	Signal Transduction
Gene Names	FLT4
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human VEGFR-3/Flt-4 ELISA Kit was designed for the quantitative measurement of Human VEGFR-3/Flt-4 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.156 ng/mL-10 ng/mL and the sensitivity is 0.039 ng/mL.
Target Details	This gene encodes a tyrosine kinase receptor for vascular endothelial growth factors C and D. The protein is thought to be involved in lymphangiogenesis and maintenance of the lymphatic endothelium. Mutations in this gene cause hereditary lymphedema type IA.
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 human VEGFR-3/Flt-44 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 %	98
1:1	Range %	91-105
	Average %	90
1:2	Range %	85-96
	Average %	95
1:4	Range %	85-105
	Average %	92
1:8	Range %	83-98

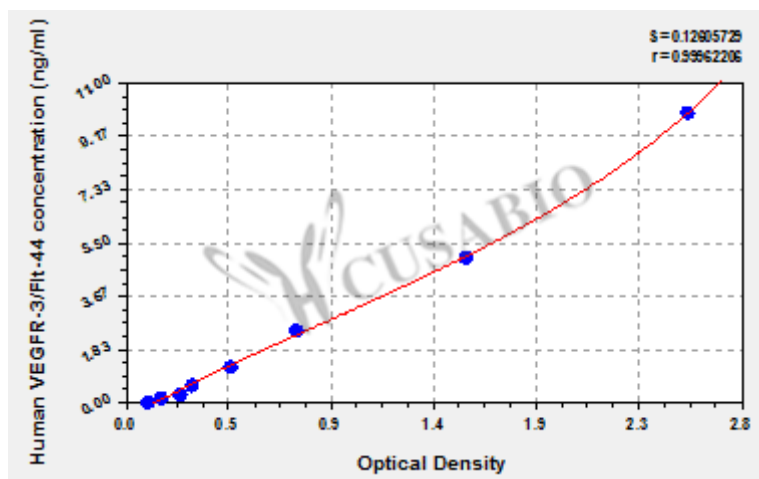
Recovery

The recovery of human VEGFR-3/Flt-44 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)	95	86-100
EDTA plasma (n=4)	93	87-98

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

10	2.549	2.516	2.533	2.420
5	1.517	1.557	1.537	1.424
2.5	0.796	0.758	0.777	0.664
1.25	0.472	0.489	0.481	0.368
0.625	0.302	0.315	0.309	0.196
0.312	0.259	0.246	0.253	0.140
0.156	0.164	0.171	0.168	0.055
0	0.111	0.115	0.113	?

Msds

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