## Mouse Vascular endothelial cell growth factor receptor 2,VEGFR-2/Flk-1 ELISA kit

Product Code	CSB-E04764m
Abbreviation	VEGFR-2/Flk-1
Protein Biological Process 1	Angiogenesis
Target Name	kinase insert domain receptor (a type III receptor tyrosine kinase)
Uniprot No.	P35918
Alias	CD309, FLK1, VEGFR, VEGFR2, fetal liver kinase-1 kinase insert domain receptor protein-tyrosine kinase receptor Flk-1 soluble VEGFR2 tyrosine kinase growth factor receptor vascular endothelial growt
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Angiogenesis
Sample Types	serum, plasma
Detection Range	7.8 pg/mL-500 pg/mL
Sensitivity	1.95 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	Kdr
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse VEGFR-2/Flk-1 ELISA Kit was designed for the quantitative measurement of Mouse VEGFR-2/Flk-1 protein in serum, plasma. It is a Sandwich ELISA kit, its detection range is 7.8 pg/mL-500 pg/mL and the sensitivity is 1.95 pg/mL.
Target Details	Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain receptor, is a type III receptor tyrosine

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	kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3, T- cell protein tyrosine phosphatase, etc Mutations of this gene are implicated in infantile capillary hemangiomas.						
Product Precision	<ul> <li>Intra-assay Precision (Precision within an assay): CV%&lt;8%</li> <li>Three samples of known concentration were tested twenty times on one plate to assess.</li> <li>Inter-assay Precision (Precision between assays): CV%&lt;10%</li> <li>Three samples of known concentration were tested in twenty assays to assess.</li> </ul>						
Linearity	To assess the linearity of the assay, samples were spiked with high concentrations of mouse VEGFR-2/Flk-1 in various matrices and dilute the Sample Diluent to produce samples with values within the dynamic of the assay.						
	?	Sample		Serum(n=4)			
	1:100	Average %		86 82-91			
	1:200	Average % Range %		101 98-105			
	1:400	Average % Range %		87 84-91			
	1:800	Average % Range %		100 95-105			
Recovery	The recovery of mouse VEGFR-2/Flk-1 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)		89		85-94		
	EDTA plasma	ma (n=4) 107			103-110		

Typical

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

## **CUSABIO TECHNOLOGY LLC**



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