



Human Vascular Endothelial Growth Factor 121(VEGF121) ELISA kit

Product Code	CSB-E13709h			
Abbreviation	VEGF121			
Target Name	Vascular Endothelial Growth Factor 121(VEGF121)			
Uniprot No.	P15692			
Product Type	ELISA Kit			
Immunogen Species	Homo sapiens (Human)			
Sample Types	serum, plasma, cell culture supernates, 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	Cancer			
Gene Names	VEGFA			
Tag Info	quantitative			
Protein Description	Sandwich			
Description	This Human VEGF121 ELISA Kit was designed for the quantitative measurement of Human VEGF121 protein in serum, plasma, cell culture supernates, 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 .			
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 VEGF121 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table><tr><td>?</td><td>Sample</td><td>Serum(n=4)</td></tr></table>	?	Sample	Serum(n=4)
?	Sample	Serum(n=4)		



1:1	Average %	98
	Range %	92-106
1:2	Average %	94
	Range %	90-98
1:4	Average %	89
	Range %	86-96
1:8	Average %	92
	Range %	86-97

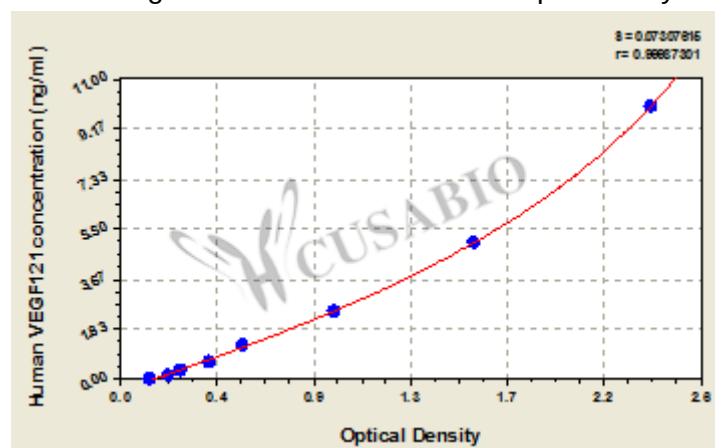
Recovery

The recovery of human VEGF121 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)	98	94-104
EDTA plasma (n=4)	91	87-95

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	2.415	2.314	2.365	2.222
5	1.532	1.633	1.583	1.440
2.5	0.972	0.951	0.962	0.819
1.25	0.558	0.547	0.553	0.410
0.625	0.404	0.411	0.408	0.265
0.312	0.285	0.274	0.280	0.137
0.156	0.226	0.220	0.223	0.080
0	0.143	0.142	0.143	?

Msds

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