



Human prokineticin 1(PROK1/EG-VEGF) ELISA kit

Product Code	CSB-E04532h
Abbreviation	PROK1
Protein Biological Process 1	Angiogenesis
Target Name	prokineticin 1
Uniprot No.	P58294
Alias	EGVEGF, PK1, PRK1, black mamba toxin-related protein mambakine, Endocrine gland vascular endothelial growth factor
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Angiogenesis
Sample Types	serum
Detection Range	0.312 ng/mL-20 ng/mL
Sensitivity	0.078 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	PROK1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human PROK1 ELISA Kit was designed for the quantitative measurement of Human PROK1 protein in serum. It is a Sandwich ELISA kit, its detection range is 0.312 ng/mL-20 ng/mL and the sensitivity is 0.078 ng/mL.
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.</p>



Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human EG-VEGF 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)
1:1	Average %	103
	Range %	100-108
1:2	Average %	95
	Range %	92-99
1:4	Average %	88
	Range %	85-92
1:8	Average %	99
	Range %	96-103

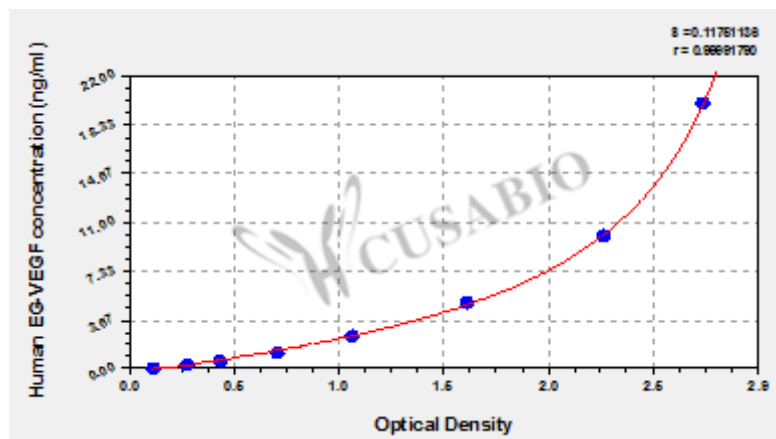
Recovery

The recovery of human EG-VEGF 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)	102	100-105

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
20	2.625	2.741	2.683	2.558
10	2.268	2.166	2.217	2.092
5	1.635	1.536	1.586	1.461
2.5	1.053	1.044	1.049	0.924
1.25	0.711	0.688	0.700	0.575
0.625	0.430	0.436	0.433	0.308
0.312	0.282	0.277	0.280	0.155
0	0.121	0.129	0.125	?

Msds

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