



Human heparin-binding epidermal growth factor-like growth factor, HB-EGF ELISA Kit

Product Code	CSB-E09716h
Abbreviation	HBEGF
Target Name	heparin-binding EGF-like growth factor
Uniprot No.	Q99075
Alias	DTR, DTS, DTSF, HEGFL, diphtheria toxin receptor (heparin-binding EGF-like growth factor) diphtheria toxin receptor (heparin-binding epidermal growth factor-like growth factor) heparin-binding epide
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	62.5 pg/mL-4000 pg/mL
Sensitivity	15.6 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	Signal Transduction
Gene Names	HBEGF
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human HBEGF ELISA Kit was designed for the quantitative measurement of Human HBEGF protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 62.5 pg/mL-4000 pg/mL and the sensitivity is 15.6 pg/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 HB-EGF 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 %	89
	Range %	84-93
1:2	Average %	86
	Range %	82-91
1:4	Average %	92
	Range %	85-96
1:8	Average %	105
	Range %	98-109

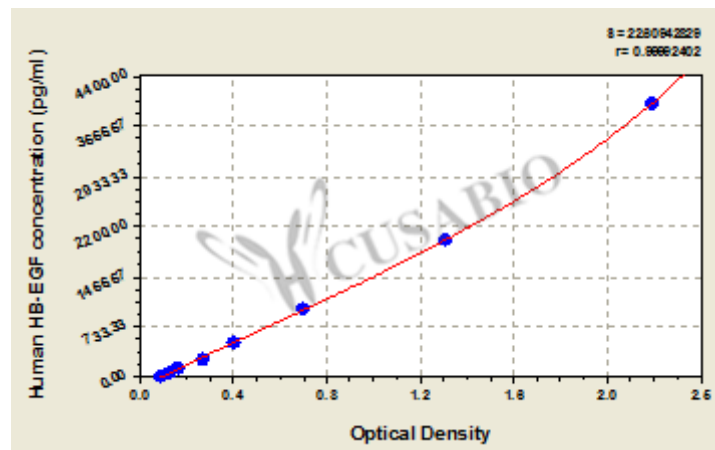
Recovery

The recovery of human HB-EGF 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)	88	83-92
EDTA plasma (n=4)	97	92-101

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
4000	2.214	2.267	2.241	2.141
2000	1.291	1.391	1.341	1.241
1000	0.699	0.745	0.722	0.622
500	0.418	0.412	0.415	0.315
250	0.277	0.284	0.281	0.181
125	0.169	0.175	0.172	0.072
62.5	0.135	0.136	0.136	0.036
0	0.099	0.100	0.100	?

Msds

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