



Rat heparin-binding EGF-like growth factor (HBEGF) ELISA kit

Product Code	CSB-EL010154RA
Abbreviation	HBEGF
Target Name	heparin-binding EGF-like growth factor
Uniprot No.	Q06175
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	Rattus norvegicus (Rat)
Sample Types	serum, plasma, tissue homogenates
Detection Range	6.25 pg/mL-400 pg/mL
Sensitivity	1.56 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 Rat HBEGF ELISA Kit was designed for the quantitative measurement of Rat HBEGF protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 6.25 pg/mL-400 pg/mL and the sensitivity is 1.56 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 rat HBEGF 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 %	104
	Range %	91-108
1:2	Average %	100
	Range %	91-105
1:4	Average %	94
	Range %	87-99
1:8	Average %	98
	Range %	90-103

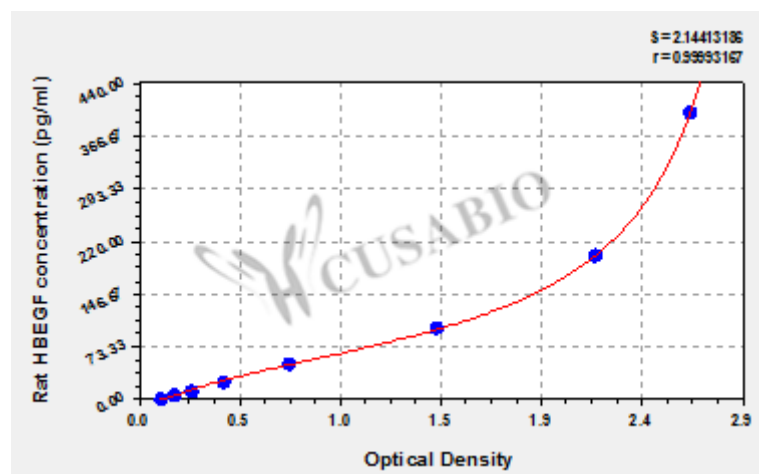
Recovery

The recovery of rat HBEGF 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	81-95
EDTA plasma (n=4)	102	95-107

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
400	2.727	2.586	2.657	2.537
200	2.229	2.179	2.204	2.084
100	1.452	1.428	1.440	1.320
50	0.739	0.727	0.733	0.613
25	0.423	0.411	0.417	0.297
12.5	0.268	0.261	0.265	0.145
6.25	0.182	0.175	0.179	0.059
0	0.118	0.122	0.120	?

Msds

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