



Horse insulin-like growth factor 1 (IGF1) ELISA kit

Product Code	CSB-EL011086HO									
Abbreviation	IGF1									
Target Name	insulin-like growth factor 1 (somatomedin C)									
Uniprot No.	P51458									
Alias	IGF1A, IGFI, OTTHUMP00000195084 insulin-like growth factor 1									
Product Type	ELISA Kit									
Immunogen Species	Equus caballus (Horse)									
Sample Types	serum, plasma, tissue homogenates									
Detection Range	12.5 ng/mL-800 ng/mL									
Sensitivity	3.12 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	IGF1									
Tag Info	quantitative									
Protein Description	Sandwich									
Description	This Horse IGF1 ELISA Kit was designed for the quantitative measurement of Horse IGF1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 12.5 ng/mL-800 ng/mL and the sensitivity is 3.12 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 horse IGF1 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><tr><td rowspan="2">1:1</td><td>Average %</td><td>92</td></tr><tr><td>Range %</td><td>89-95</td></tr></table>			Sample	Serum(n=4)	1:1	Average %	92	Range %	89-95
	Sample	Serum(n=4)								
1:1	Average %	92								
	Range %	89-95								



1:2	Average %	95
	Range %	90-104
1:4	Average %	92
	Range %	87-100
1:8	Average %	89
	Range %	80-97

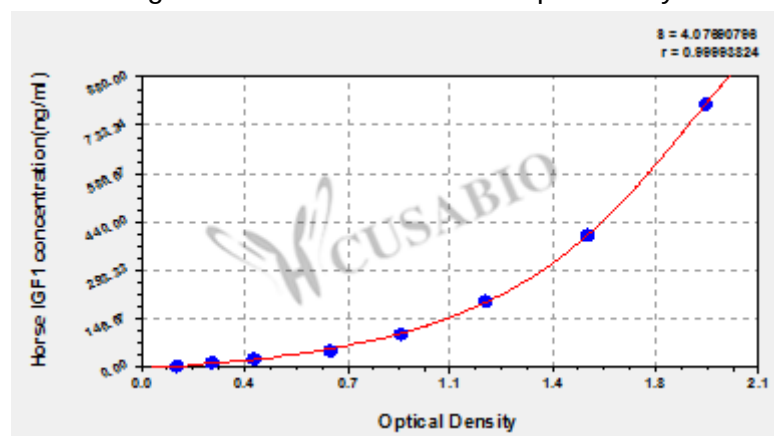
Recovery

The recovery of horse IGF1 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)	95	87-101
EDTA plasma (n=4)	87	82-93

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
800	1.961	1.944	1.953	1.820
400	1.488	1.605	1.547	1.414
200	1.178	1.213	1.196	1.063
100	0.912	0.902	0.907	0.774
50	0.669	0.657	0.663	0.530
25	0.405	0.396	0.401	0.268
12.5	0.260	0.249	0.255	0.122
0	0.137	0.129	0.133	

Msds

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