Deer Insulin-like growth factors 1,IGF-1 ELISA Kit

Product Code	CSB-E12644De
Abbreviation	IGF-1
Target Name	Insulin-like growth factors 1,IGF-1
Uniprot No.	H9BDM1
Product Type	ELISA Kit
Immunogen Species	Deer
Sample Types	serum, plasma, tissue homogenates
Detection Range	1 ng/mL-200 ng/mL
Sensitivity	0.5 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
Tag Info	quantitative
Protein Description	Competitive
Description	This Deer IGF-1 ELISA Kit was designed for the quantitative measurement of Deer IGF-1 protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 1 ng/mL-200 ng/mL and the sensitivity is 0.5 ng/mL .
Product Precision	Intra-assay Precision (Precision within an assay): CV%<15% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV%<15% 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 deer IGF-1 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 %	98
	Range %	92-104
1:2	Average %	95
	Range %	89-104
1:4	Average %	99
	Range %	87-107

	1:8	Average %	96
		Range %	90-102

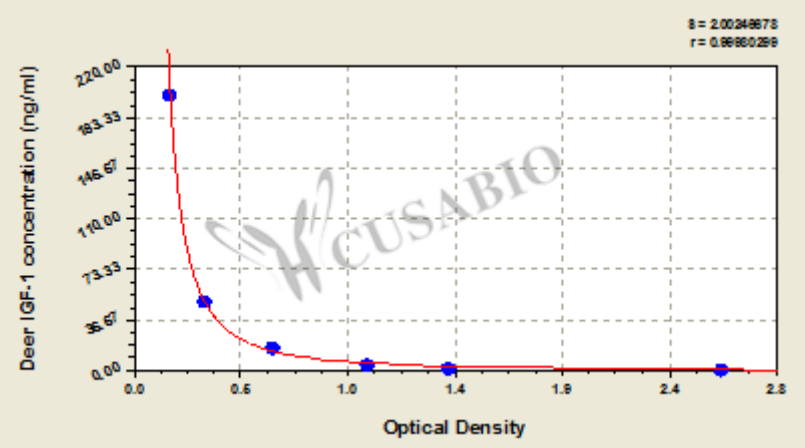
Recovery

The recovery of deer IGF-1 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)	94	89-98
EDTA plasma (n=4)	96	90-102

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
200	0.175	0.174	0.175
50	0.333	0.316	0.325
16	0.622	0.640	0.631
4	1.040	1.048	1.044
1	1.416	1.389	1.403
0	2.577	2.633	2.605