Dog insulin-like growth factor binding protein 3 (IGFBP3)ELISA kit

Product Code	CSB-EL011097DO
Abbreviation	IGFBP3
Target Name	insulin-like growth factor binding protein 3 (IGFBP3)
Uniprot No.	F1PQ91
Product Type	ELISA Kit
Immunogen Species	Canis lupus familiaris (Dog) (Canis familiaris)
Sample Types	serum, plasma, tissue homogenates
Detection Range	3.12 ng/mL-200 ng/mL
Sensitivity	0.78 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	Sandwich
Description	This Dog IGFBP3 ELISA Kit was designed for the quantitative measurement of Dog IGFBP3 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 3.12 ng/mL-200 ng/mL and the sensitivity is 0.78 ng/mL.
Target Details	This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein forms a ternary complex with insulin-like growth factor acid-labile subunit (IGFALS) and either insulin-like growth factor (IGF) I or II. In this form, it circulates in the plasma, prolonging the half-life of IGFs and altering their interaction with cell surface receptors. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
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 dog IGFBP3 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)
1:20	Average %	94
	Range %	91-99
1:40	Average %	96
	Range %	90-100
1:80	Average %	97
	Range %	95-100
1:160	Average %	95
	Range %	89-103

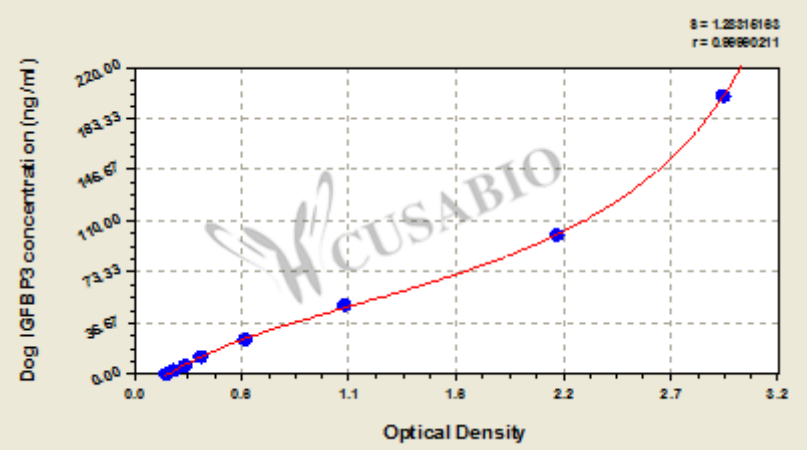
Recovery

The recovery of dog IGFBP3 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	91-98
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	Corrected
200	2.958	2.943	2.951	2.775
100	2.120	2.131	2.126	1.950
50	1.074	1.063	1.069	0.893
25	0.575	0.562	0.569	0.393
12.5	0.343	0.349	0.346	0.170
6.25	0.268	0.274	0.271	0.095
3.12	0.209	0.224	0.217	0.041
0	0.177	0.175	0.176	?

Msds

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