



Bovine Fibroblast Growth Factor 23 (FGF23)

ELISA Kit

Product Code	CSB-E16193B											
Abbreviation	FGF23											
Target Name	Fibroblast Growth Factor 23 (FGF23)											
Uniprot No.	E1BJU2											
Product Type	ELISA Kit											
Immunogen Species	Bos taurus (Bovine)											
Sample Types	serum, plasma											
Detection Range	15.6 pg/mL-1000 pg/mL											
Sensitivity	3.9 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											
Tag Info	quantitative											
Protein Description	Sandwich											
Description	This Bovine FGF23 ELISA Kit was designed for the quantitative measurement of Bovine FGF23 protein in serum, plasma. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 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 bovine FGF23 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>1:1</td><td>Average %</td><td>95</td></tr><tr><td></td><td>Range %</td><td>86-99</td></tr></table>			?	Sample	Serum(n=4)	1:1	Average %	95		Range %	86-99
?	Sample	Serum(n=4)										
1:1	Average %	95										
	Range %	86-99										



1:2	Average %	103
	Range %	97-107
1:4	Average %	91
	Range %	81-94
1:8	Average %	100
	Range %	90-105

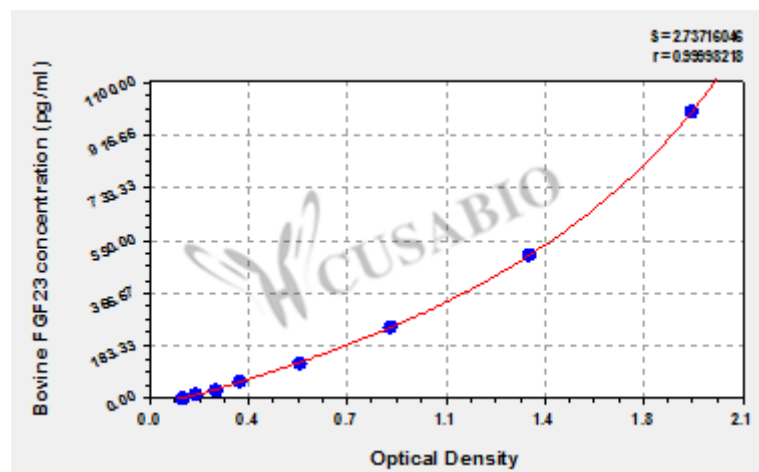
Recovery

The recovery of bovine FGF23 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)	104	94-108
EDTA plasma (n=4)	89	84-94

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
1000	1.928	1.952	1.940	1.809
500	1.402	1.324	1.363	1.232
250	0.878	0.862	0.870	0.739
125	0.553	0.540	0.547	0.416
62.5	0.329	0.341	0.335	0.204
31.2	0.241	0.256	0.249	0.118
15.6	0.178	0.174	0.176	0.045
0	0.129	0.133	0.131	?

Msds

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