



Bovine Beta-Endorphin, β -EP ELISA Kit

Product Code	CSB-E13051B														
Abbreviation	β-EP														
Target Name	Beta-Endorphin,β-EP														
Alias	beta-Endorphin, beta-EP														
Product Type	ELISA Kit														
Immunogen Species	Bos taurus (Bovine)														
Sample Types	serum, plasma, tissue homogenates														
Detection Range	46.88 pg/mL-3000 pg/mL														
Sensitivity	11.72 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	Cancer														
Tag Info	quantitative														
Protein Description	Sandwich														
Description	This Bovine β-EP ELISA Kit was designed for the quantitative measurement of Bovine β-EP protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 46.88 pg/mL-3000 pg/mL and the sensitivity is 11.72 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 β-EP 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>95</td></tr><tr><td>Range %</td><td>90-99</td></tr><tr><td rowspan="2">1:2</td><td>Average %</td><td>84</td></tr><tr><td>Range %</td><td>80-88</td></tr></table>		?	Sample	Serum(n=4)	1:1	Average %	95	Range %	90-99	1:2	Average %	84	Range %	80-88
?	Sample	Serum(n=4)													
1:1	Average %	95													
	Range %	90-99													
1:2	Average %	84													
	Range %	80-88													



1:4	Average %	92
	Range %	88-97
1:8	Average %	90
	Range %	85-94

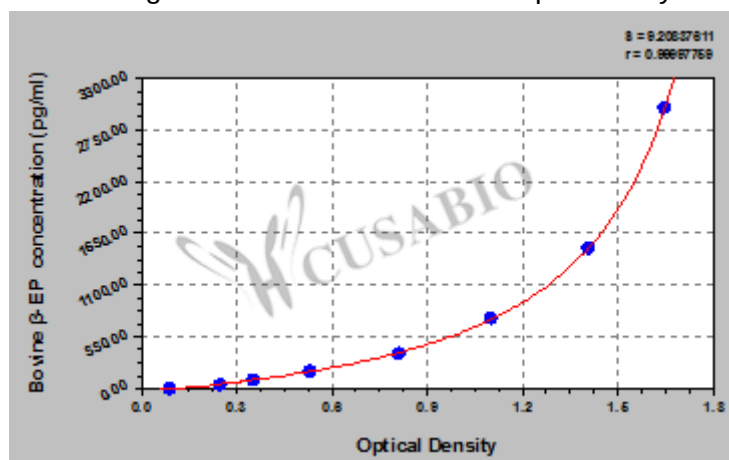
Recovery

The recovery of bovine β -EP 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)	99	95-104
EDTA plasma (n=4)	92	88-96

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
3000	1.701	1.612	1.657	1.559
1500	1.376	1.458	1.417	1.319
750	1.113	1.104	1.109	1.011
375	0.832	0.809	0.821	0.723
187.5	0.524	0.560	0.542	0.444
93.75	0.367	0.359	0.363	0.265
46.88	0.264	0.251	0.258	0.160
0	0.099	0.097	0.098	?

Msds

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