



Bovine Heat Shock Protein 72 (HSP-72) ELISA Kit

Product Code	CSB-E15831B
Abbreviation	HSPA2
Protein Biological Process 1	Neurobiology
Target Name	heat shock 70kDa protein 2
Uniprot No.	P34933
Alias	HSP70-2, HSP70-3, OTTHUMP00000180664 heat shock 70kD protein 2
Product Type	ELISA Kit
Immunogen Species	Bos taurus (Bovine)
Protein Biological Process 3	Stress response
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.312 ng/mL-20 ng/mL
Sensitivity	0.078 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	Neuroscience
Gene Names	HSPA2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Bovine HSPA2 ELISA Kit was designed for the quantitative measurement of Bovine HSPA2 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.312 ng/mL-20 ng/mL and the sensitivity is 0.078 ng/mL .
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.</p>

Linearity



To assess the linearity of the assay, samples were spiked with high concentrations of bovine HSP-72 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 %	95
	Range %	87-98
1:2	Average %	97
	Range %	92-105
1:4	Average %	98
	Range %	94-108
1:8	Average %	86
	Range %	82-92

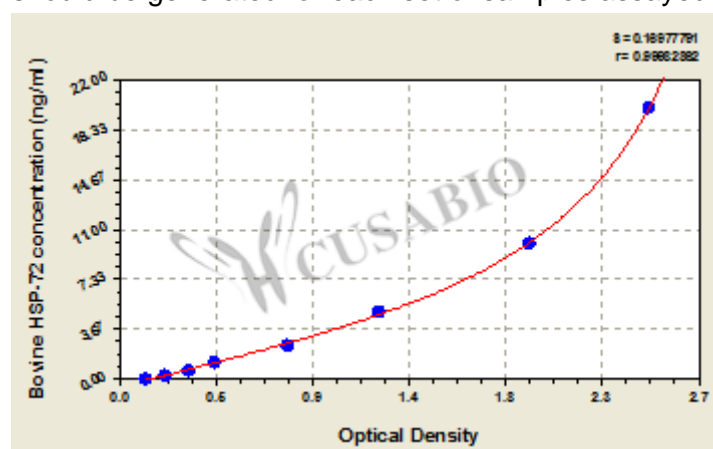
Recovery

The recovery of bovine HSP-72 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	88-98
EDTA plasma (n=4)	92	87-96

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
20	2.532	2.432	2.482	2.349
10	1.974	1.874	1.924	1.791
5	1.271	1.171	1.221	1.088
2.5	0.805	0.785	0.795	0.662
1.25	0.460	0.450	0.455	0.322
0.625	0.338	0.328	0.333	0.200
0.312	0.228	0.218	0.223	0.090
0	0.134	0.132	0.133	?

Msds

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