



Bovine pulmonary surfactant-associated protein B,SP-B ELISA Kit

Product Code	CSB-E13834B
Abbreviation	SFTPB
Protein Biological Process 1	Transport
Target Name	surfactant protein B
Uniprot No.	P15781
Alias	PSP-B, SFTB3, SFTP3, SMDP1, SP-B, OTTHUMP00000203253 Pulmonary surfactant-associated protein B, 18kD surfactant, pulmonary-associated protein B
Product Type	ELISA Kit
Immunogen Species	Bos taurus (Bovine)
Protein Biological Process 3	Gaseous exchange
Sample Types	serum, plasma, tissue homogenates
Detection Range	9.37 ng/mL-600 ng/mL
Sensitivity	2.34 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
Gene Names	SFTPB
Tag Info	quantitative
Protein Description	Sandwich
Description	This Bovine SFTPB ELISA Kit was designed for the quantitative measurement of Bovine SFTPB protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 9.37 ng/mL-600 ng/mL and the sensitivity is 2.34 ng/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 SP-B 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 %	97
	Range %	92-103
1:2	Average %	91
	Range %	85-97
1:4	Average %	90
	Range %	88-94
1:8	Average %	100
	Range %	96-105

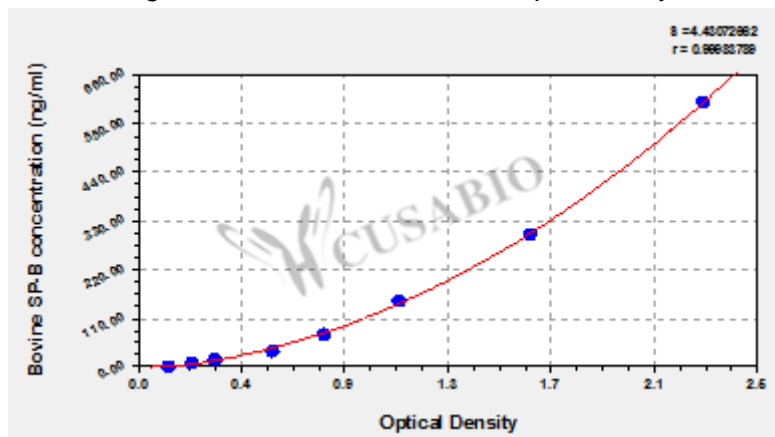
Recovery

The recovery of bovine SP-B 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)	90	87-93
EDTA plasma (n=4)	106	103-108

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
600	2.238	2.412	2.325	2.191
300	1.603	1.620	1.612	1.478
150	1.054	1.102	1.078	0.944
75	0.766	0.771	0.769	0.635
37.5	0.534	0.580	0.557	0.423
18.75	0.322	0.329	0.326	0.192
9.37	0.234	0.219	0.227	0.093
0	0.132	0.135	0.134	

Msds

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