

Sheep Pulmonary surfactant-associated protein B ELISA Kit | SP-B elisa kit

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CATALOG #
AAA89933

REACTIVITY
Sheep

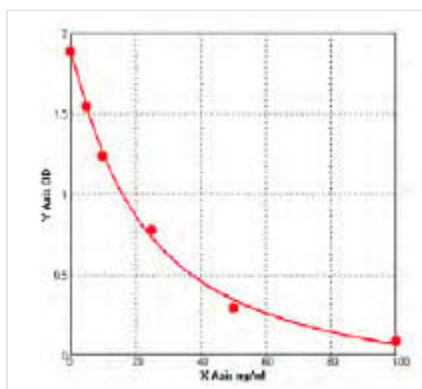
PRODUCT SYNONYMS

Pulmonary surfactant-associated protein B; Sheep Pulmonary surfactant-associated protein B ELISA Kit; SP-B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Sequence Length	393
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SP-B elisa kit

Intended Uses: This SPBELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep SPB. This ELISA kit for research use only!

Principle of the Assay: SPBELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SPBantibody and an SPB-HRP conjugate. The assay sample and buffer are incubated together with SPB-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SPBconcentration since SPBfrom samples and SPB-HRP conjugate compete for the anti-SPBantibody binding site. Since the number of sites is limited, as more sites are occupied by SPBfrom the sample, fewer sites are left to bind SPB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SPBconcentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	288856299
NCBI GeneID	6439
NCBI Accession #	NP_000533.3
NCBI GenBank Nucleotide #	NM_000542.3
UniProt Accession #	P07988; Q96R04
Molecular Weight	42,117 Da
NCBI Official Full Name	pulmonary surfactant-associated protein B
NCBI Official Synonym Full Names	surfactant protein B
NCBI Official Symbol	SFTPB
NCBI Official Synonym Symbols	SP-B; PSP-B; SFTB3; SFTP3; SMDP1
NCBI Protein Information	pulmonary surfactant-associated protein B; 6 kDa protein; 18 kDa pulmonary-surfactant protein; pulmonary surfactant-associated proteolipid SPL(Phe)
UniProt Protein Name	Pulmonary surfactant-associated protein B
UniProt Gene Name	SFTPB
UniProt Synonym Gene Names	SFTP3; SP-B
UniProt Entry Name	PSPB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/sp-b-sheep-elisa-kits/pulmonary-surfatcant-associated-protein-b/89933>