

Mouse Pulmonary Surfactant Associated Protein B ELISA Kit | SPB elisa kit

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CATALOG #
AAA91430

REACTIVITY
Mouse

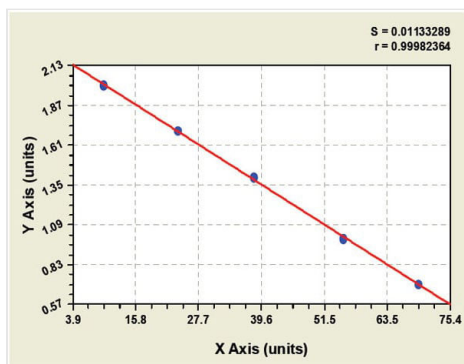
PRODUCT SYNONYMS

Pulmonary Surfactant Associated Protein B; Mouse Pulmonary Surfactant Associated Protein B ELISA Kit; SPB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	25-500ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This SPB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse SPB. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPB elisa kit	Principle of the Assay: SPB ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SPB antibody 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 SPB concentration since SPB from samples and SPB-HRP conjugate compete for the anti-SPB antibody binding site. Since the number of sites is limited, as more sites are occupied by SPB from 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 SPB concentration in each sample is interpolated from this standard curve.
Product Categories/Family for SPB elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	126723505
NCBI GeneID	100009194
NCBI Accession #	NP_001075812.1
NCBI GenBank Nucleotide #	NM_001082343.1
Molecular Weight	40,610 Da
NCBI Official Full Name	pulmonary surfactant-associated protein B
NCBI Official Symbol	SFTPB
NCBI Official Synonym Symbols	SP-B; SFTP3
NCBI Protein Information	pulmonary surfactant-associated protein B; 6 kDa 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_RABIT

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/spb-mouse-elisa-kits/pulmonary-surfactant-associated-protein-b/91430>