

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

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CATALOG #
AAA92339

REACTIVITY
Human

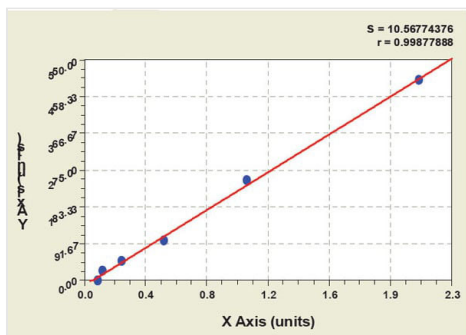
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or 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 Human SPB. This ELISA kit for research use only, not for therapeutic applications!
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 quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for SPB. Standards or samples are then added to the microtiter plate wells and SPB if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of SPB present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for SPB are added to each well to "sandwich" the SPB immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain SPB and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.

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-human-elisa-kits/pulmonary-surfactant-associated-protein-b/92339>