

Human Pulmonary surfactant-associated protein B ELISA Kit | SFTPB elisa kit

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CATALOG #
AAA99257

REACTIVITY
Human

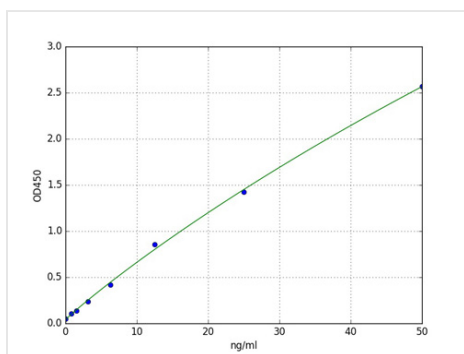
PRODUCT SYNONYMS

Pulmonary surfactant-associated protein B; Human Pulmonary surfactant-associated protein B ELISA Kit; SPB (Pulmonary Surfactant Associated Protein B)/SFTPB/SP-B/SFTP3/Pulmonary surfactant-associated proteolipid SPL (Phe)/18 kDa pulmonary-surfactant protein/6 kDa protein; SFTPB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	369
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human SPB ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.781	1.563	3.125	6.25	12.5	25	50
Y	OD450	0.100	0.159	0.219	0.277	0.381	0.739	1.271	2.300

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SFTPB elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human SPB antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human SPB antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human SPB amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human SPB can be calculated.

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	SFTP3
NCBI Official Synonym Symbols	SP-B; SFTP3
NCBI Protein Information	pulmonary surfactant-associated protein B
UniProt Protein Name	Pulmonary surfactant-associated protein B
UniProt Gene Name	SFTP3
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/sftpb-human-elisa-kits/pulmonary-surfactant-associated-protein-b/99257>