

Human surfactant protein B ELISA Kit | SFTPb elisa kit

Human Pulmonary surfactant-associated protein B, SP-B ELISA Kit

CATALOG #
AAA15333

REACTIVITY
Human

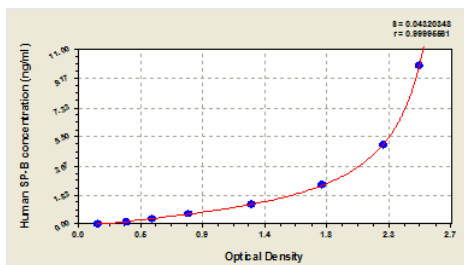
PRODUCT SYNONYMS

surfactant protein B; Human Pulmonary surfactant-associated protein B; SP-B ELISA Kit; PSP-B; SFTB3; SFTP3; SMDP1; SP-B; OTTHUMP00000203253; Pulmonary surfactant-associated protein B; 18kD; surfactant; pulmonary-associated protein B; SFTPb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human SP-B. No significant cross-reactivity or interference between human SP-B and analogues was observed.
Sequence Length	393
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, urine
Detection Range	0.156 ng/ml-10 ng/ml
Sensitivity	< 0.039 ng/ml
Intra-assay 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	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SFTPB elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for SP-B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SP-B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SP-B is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SP-B bound in the initial step. The color development is stopped and the intensity of the color is measured.
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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/sftpb-human-elisa-kits/surfactant-protein-b/15333>