

Rat surfactant protein B ELISA Kit | SFTPB elisa kit

Rat Pulmonary Surfactant-associated protein B, SP-B ELISA Kit

CATALOG #
AAA80255

REACTIVITY
Rat

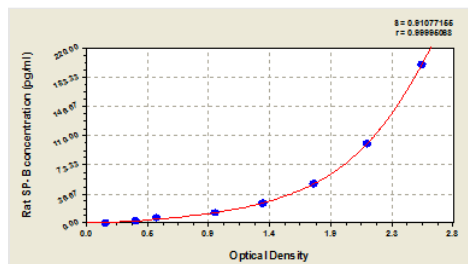
PRODUCT SYNONYMS

surfactant protein B; Rat Pulmonary Surfactant-associated protein B; SP-B ELISA Kit; Rat 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	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat SP-B. No significant cross-reactivity or interference between rat SP-B and analogues was observed.
Sequence Length	369
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	3.12 pg/ml-200 pg/ml.
Sensitivity	The minimum detectable dose of rat SP-B is typically less than 0.78 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
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.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	126723505
NCBI GeneID	100009194
NCBI Accession #	NP_001075812.1
NCBI GenBank Nucleotide #	NM_001082343.1
UniProt Accession #	P15285; P79333
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/sftpb-rat-elisa-kits/surfactant-protein-b/80255>