

Mouse Surfactant Associated Protein B (SPB) ELISA Kit | SPB elisa kit

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CATALOG #
AAA219686

REACTIVITY
Mouse

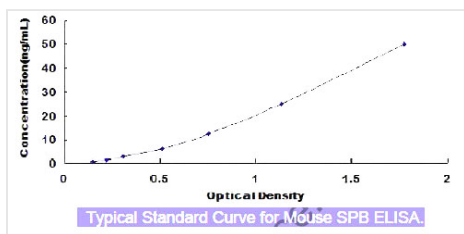
PRODUCT SYNONYMS

Surfactant Associated Protein B (SPB); Mouse Surfactant Associated Protein B (SPB) ELISA Kit; SFTPB; PSPB; SFTB3; SFTP3; SP-B; Pulmonary Surfactant Protein B; 18 kDa pulmonary-surfactant protein; 6 kDa protein; SPB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of SPA. No significant cross-reactivity or interference between SPA and analogues was observed.
Purity/Purification	Affinity Purification
Sequence Length	377
Samples	Porcine Serum, Plasma, Tissue Homogenates, Lung Lavage Fluid Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	3.125-200ng/mL
Sensitivity	1.16ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SPA were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SPA were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C or -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPB elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SPA in porcine serum, plasma, tissue homogenates, lung lavage fluid or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SPA. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SPA. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain SPA, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of SPA in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22296601
NCBI GeneID	20388
NCBI Accession #	NP_680088.1
NCBI GenBank Nucleotide #	NM_147779.2
UniProt Accession #	P50405
Molecular Weight	41,728 Da
NCBI Official Full Name	pulmonary surfactant-associated protein B isoform 1
NCBI Official Synonym Full Names	surfactant associated protein B
NCBI Official Symbol	Sftpb
NCBI Official Synonym Symbols	SF-B; SP-B; Sftp3; Sftp-3; AI562151
NCBI Protein Information	pulmonary surfactant-associated protein B
UniProt Protein Name	Pulmonary surfactant-associated protein B
UniProt Gene Name	Sftpb
UniProt Synonym Gene Names	Sftp3; SP-B

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/mouse-elisa-kits/surfactant-associated-protein-b-spb/219686>