

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

Human Surfactant Associated Protein B (SPB) ELISA Kit

CATALOG #
AAA184882

REACTIVITY
Human

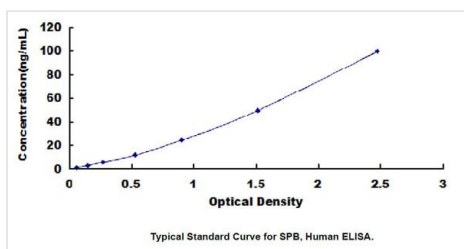
PRODUCT SYNONYMS

Surfactant Associated Protein B (SPB); Human 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SPB. No significant cross-reactivity or interference between SPB and analogues was observed.
Sequence Length	376
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.59ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SPB 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 SPB were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPB elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SPB. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to SPB. 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 SPB, 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 SPB in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	149036401
NCBI GeneID	192155
UniProt Accession #	P22355
Molecular Weight	41,590 Da
NCBI Official Full Name	surfactant associated protein B
NCBI Official Synonym Full Names	surfactant protein B
NCBI Official Symbol	Sftpb
NCBI Official Synonym Symbols	Sp-b
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/surfactant-associated-protein-b-spb/184882>