

Mouse Surfactant Associated Protein C (SPC) ELISA Kit | SPC elisa kit

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CATALOG # AAA68711	REACTIVITY Mouse
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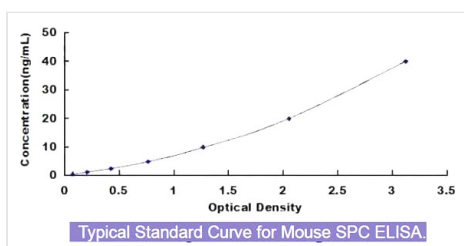
PRODUCT SYNONYMS

Surfactant Associated Protein C (SPC); Mouse Surfactant Associated Protein C (SPC) ELISA Kit; SFTPC; PSP-C; SFTP2; SP-C; SP5; Pulmonary Surfactant Protein C; Pulmonary surfactant-associated proteolipid SPL(Val); SPC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of SPC. No significant cross-reactivity or interference between SPC and analogues was observed.
Sequence Length	193
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, lung lavage fluid, cell culture supernates or other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	< 0.216ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SPC 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 SPC were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPC elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SPC. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SPC. 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 SPC, 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 SPC in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SPC in mouse serum, plasma, tissue homogenates, cell lysates, lung lavage fluid, cell culture supernates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	131426
NCBI GeneID	20389
UniProt Accession #	P21841
Molecular Weight	21,055 Da
NCBI Official Full Name	Pulmonary surfactant-associated protein C
NCBI Official Synonym Full Names	surfactant associated protein C
NCBI Official Symbol	Sftpc
NCBI Official Synonym Symbols	SP5; SPC; SP-C; Sftp2; Bricd6; Sftp-2; pro-SpC
NCBI Protein Information	pulmonary surfactant-associated protein C
UniProt Protein Name	Pulmonary surfactant-associated protein C
UniProt Gene Name	Sftpc
UniProt Synonym Gene Names	Sftp2; SP-C

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-c-spc/68711>