

Mouse Surfactant Associated Protein C ELISA Kit | SPC elisa kit

Mouse Surfactant Associated Protein C (SPC) ELISA Kit

CATALOG #
AAA144560

REACTIVITY
Mouse

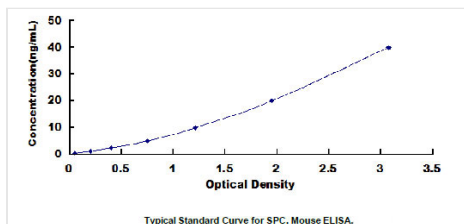
PRODUCT SYNONYMS

Surfactant Associated Protein C; 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	186
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	0.237ng/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%
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 SPC elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SPC in mouse tissue homogenates, cell lysates and other biological fluids. 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 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 enzymeconjugated 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.
Product Categories/Family for SPC elisa kit	Tumor immunity; Infection immunity; Pulmonology

NCBI AND UNIPROT INFORMATION

NCBI GI #	1721
UniProt Accession #	P22398
Molecular Weight	19,836 Da
NCBI Official Full Name	surfactant associated protein C
UniProt Protein Name	Pulmonary surfactant-associated protein C
UniProt Gene Name	SFTPC
UniProt Synonym Gene Names	SFTP2; SP-C
UniProt Entry Name	PSPC_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/spc-mouse-elisa-kits/surfactant-associated-protein-c/144560>