

Human Pulmonary Surfactant Associated Protein C ELISA Kit | SPC elisa kit

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CATALOG #
AAA16656

REACTIVITY
Human

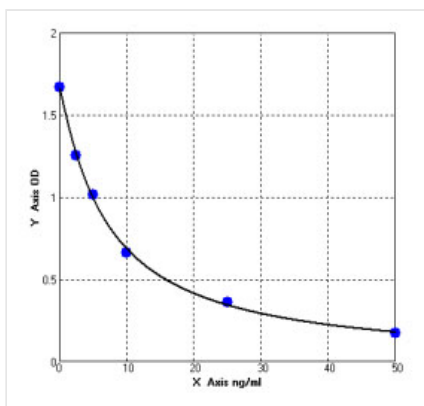
PRODUCT SYNONYMS

Pulmonary Surfactant Associated Protein C; Human Pulmonary Surfactant Associated Protein C ELISA Kit; SPC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SPC and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPC elisa kit	Principle of the Assay: SPC ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SPC antibody and an SPC-HRP conjugate. The assay sample and buffer are incubated together with SPC-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SPC concentration since SPC from samples and SPC-HRP conjugate compete for the anti-SPC antibody binding site. Since the number of sites is limited, as more sites are occupied by SPC from the sample, fewer sites are left to bind SPC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SPC concentration in each sample is interpolated from this standard curve. Intended Uses: This SPC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SPC. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for SPC elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	256355065
NCBI GeneID	20389
NCBI Accession #	NP_035489.2
NCBI GenBank Nucleotide #	NM_011359.2
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; pulmonary surfactant-associated proteolipid SPL(Val)
UniProt Protein Name	Pulmonary surfactant-associated protein C
UniProt Gene Name	Sftpc
UniProt Synonym Gene Names	Sftp2; SP-C
UniProt Entry Name	PSPC_MOUSE

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/spc-human-elisa-kits/pulmonary-surfactant-associated-protein-c/16656>