

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

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CATALOG #
AAA84008

REACTIVITY
Rabbit

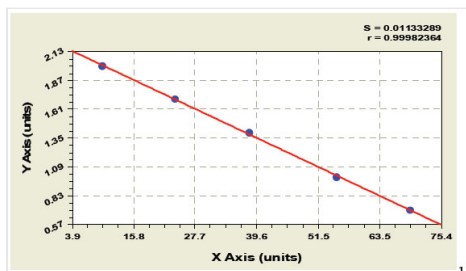
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This SPC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit SPC. This ELISA kit for research use only, not for therapeutic applications!
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 monoclonal 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.

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-rabbit-elisa-kits/pulmonary-surfactant-associated-protein-c/84008>