

Rat surfactant protein C ELISA Kit | SFTPC elisa kit

Rat Pulmonary Surfactant-associated protein C, SP-C ELISA Kit

CATALOG #
AAA79909

REACTIVITY
Rat

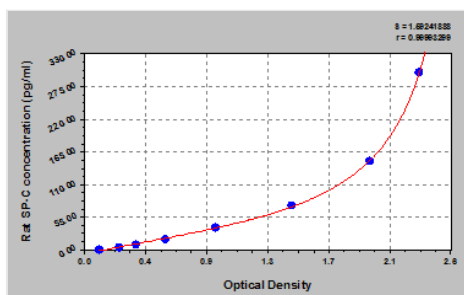
PRODUCT SYNONYMS

surfactant protein C; Rat Pulmonary Surfactant-associated protein C; SP-C ELISA Kit; Rat Pulmonary Surfactant-associated protein C (SP-C) ELISA kit; PSP-C; SFTPC; SMDP2; SP-C; pulmonary surfactant apoprotein-2 SP-C; surfactant; pulmonary-associated protein C; SFTPC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat SFTPC. No significant cross-reactivity or interference between Rat SFTPC and analogues was observed.
Sequence Length	189
Samples	Serum, plasma, tissue homogenates
Detection Range	4.69 pg/ml-300 pg/ml
Sensitivity	1.17 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Transport
Protein Biological Process 3	Gaseous exchange
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SFTPC elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SP-C. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for SP-C and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain SP-C, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of SP-C in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126722926
NCBI GeneID	100009162
NCBI Accession #	NP_001075791.1
NCBI GenBank Nucleotide #	NM_001082322.1
UniProt Accession #	P22398
Molecular Weight	19,836 Da
NCBI Official Full Name	pulmonary surfactant-associated protein C
NCBI Official Symbol	SFTPC
NCBI Official Synonym Symbols	SFTP2
NCBI Protein Information	pulmonary surfactant-associated protein C; SP-C; type I SP-C; type II SP-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_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.