

Rat surfactant protein D ELISA Kit | SFTPD elisa kit

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

CATALOG #
AAA15468

REACTIVITY
Rat

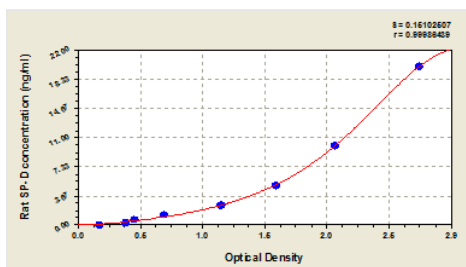
PRODUCT SYNONYMS

surfactant protein D; Rat Pulmonary Surfactant-associated protein D; SP-D ELISA Kit; Rat Pulmonary Surfactant-associated protein D (SP-D) ELISA kit; COLEC7; PSP-D; SFTPD; SP-D; collectin 7; pulmonary surfactant apoprotein; pulmonary surfactant-associated protein D; surfactant; pulmonary-associated protein D; surfactant-associated protein; pulmonary; SFTPD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat SP-D. No significant cross-reactivity or interference between rat SP-D and analogues was observed.
Sequence Length	374
Samples	Serum, plasma, tissue homogenates
Detection Range	0.312 ng/ml -20 ng/mL
Sensitivity	<0.078 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
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 SFTPD elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for SP-D has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SP-D present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SP-D is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SP-D bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7949133
NCBI GeneID	25350
NCBI Accession #	NP_037010.1
NCBI GenBank Nucleotide #	NM_012878.2
UniProt Accession #	P35248
Molecular Weight	37,561 Da
NCBI Official Full Name	pulmonary surfactant-associated protein D
NCBI Official Synonym Full Names	surfactant protein D
NCBI Official Symbol	Sftpd
NCBI Official Synonym Symbols	SPD; SP-D
NCBI Protein Information	pulmonary surfactant-associated protein D; CP4; PSP-D; lung surfactant protein D; pulmonary surfactant protein D; surfactant associated protein D; surfactant, pulmonary-associated protein D
UniProt Protein Name	Pulmonary surfactant-associated protein D
UniProt Gene Name	Sftpd
UniProt Synonym Gene Names	Sftp4; PSP-D; SP-D
UniProt Entry Name	SFTPD_RAT

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/sftpd-rat-elisa-kits/surfactant-protein-d/15468>