

Pulmonary surfactant-associated protein D ELISA Kit | SFTPD elisa kit

Human SP-D PicoKine ELISA Kit

CATALOG #
AAA46097

REACTIVITY
Human. There is no detectable cross-reactivity with other relevant proteins.

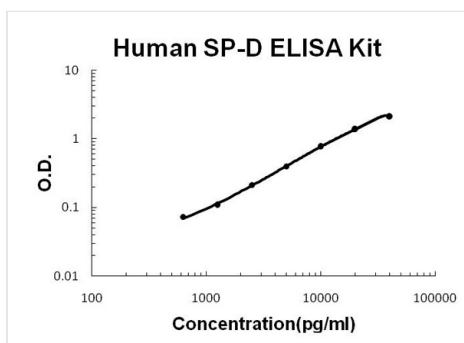
PRODUCT SYNONYMS

Pulmonary surfactant-associated protein D; Human SP-D PicoKine ELISA Kit; COLEC 7; COLEC7; Collectin-7; Collectin7; Lung surfactant protein D; PSP D; PSP-D; PSP-D Surfactant protein D; PSPD; Pulmonary surfactant apoprotein; Pulmonary surfactant associated protein D; Pulmonary surfactant associated protein PSP-D; SFTP 4; SFTP4; SFTPD; SFTPD_HUMAN; SP D; SP-D; Surfactant associated protein pulmonary 4; Surfactant pulmonary associated protein D; surfactant protein D; SFTPD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human. There is no detectable cross-reactivity with other relevant proteins.
Sequence Length	375
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Sensitivity	<20pg/ml
Immunogen	NSO, A21-F375
Intra-Assay Precision	Sample 1: n=16; Mean(ng/ml): 6.32; Standard deviation: 0.537; CV(%): 8.5 Sample 2: n=16; Mean(ng/ml): 14.3; Standard deviation: 0.729; CV(%): 5.1 Sample 3: n=16; Mean(ng/ml): 25.4; Standard deviation: 1.7; CV(%): 6.7
Inter-Assay Precision	Sample 1: n=24; Mean(ng/ml): 5.76; Standard deviation: 0.513; CV(%): 8.9 Sample 2: n=24; Mean(ng/ml): 13.5; Standard deviation: 1.24; CV(%): 9.2 Sample 3: n=24; Mean(ng/ml): 24.7; Standard deviation: 2; CV(%): 8.1
Assay Range	625pg/ml-40,000pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human SP-D PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for SFTPD elisa kit	Description: Sandwich ELISA kit of Quantitative Detection for Human SP-D Background: Surfactant, pulmonary-associated protein D, also known as SFTPD or SP-D, is a protein which in humans is encoded by the SFTPD gene. By fluorescence in situ hybridization, the SP-D gene was localized in 10q22.2-q23.1. On the basis of homology with other collectins, potential functions for SP-D include roles in innate immunity and surfactant metabolism, SP-D is produced in the bronchiolar and terminal epithelium of human fetal lung from about 21 weeks of gestation. What's more, SP-A and SP-D act as dual-function surveillance molecules that reverse orientation and function and become initiators of host-defense reactions.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	61699226
NCBI GeneID	6441
NCBI Accession #	NP_003010.4
NCBI GenBank Nucleotide #	NM_003019.4
UniProt Accession #	P35247; Q5T0M3; Q6FH08; Q86YK9; Q8TCD8; Q9UCJ2; Q9UCJ3
Molecular Weight	37,728 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	SP-D; PSP-D; SFTP4; COLEC7
NCBI Protein Information	pulmonary surfactant-associated protein D; collectin 7; collectin-7; lung surfactant protein D; pulmonary surfactant apoprotein; surfactant, pulmonary-associated protein D; surfactant-associated protein, pulmonary 4
UniProt Protein Name	Pulmonary surfactant-associated protein D
UniProt Gene Name	SFTPD
UniProt Synonym Gene Names	COLEC7; PSPD; SFTP4; PSP-D; SP-D
UniProt Entry Name	SFTPD_HUMAN

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-human-elisa-kits/pulmonary-surfactant-associated-protein-d/46097>