

Mouse SP-D ELISA Kit | SFTPD elisa kit

Mouse SP-D PicoKine ELISA Kit

CATALOG #
AAA45924

REACTIVITY
Mouse

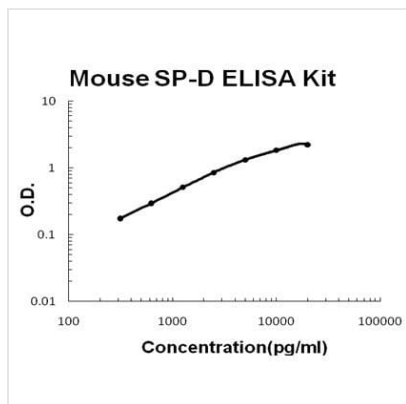
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse SP-D
Sequence Length	374
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	312pg/ml-20,000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
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)

Mouse SP-D PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for SFTPD elisa kit	Principle of the assay: mouse SP-D ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for SP-D has been precoated onto 96-well plates. Standards(CHO, A20-F374) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for SP-D is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse SP-D amount of sample captured in plate. 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 #	1709879
NCBI GeneID	20390
UniProt Accession #	P50404
Molecular Weight	37,688 Da
NCBI Official Full Name	Pulmonary surfactant-associated protein D
NCBI Official Synonym Full Names	surfactant associated protein D
NCBI Official Symbol	Sftpd
NCBI Official Synonym Symbols	SP-D; Sftpd4; AI573415
NCBI Protein Information	pulmonary surfactant-associated protein D; PSP-D; lung surfactant protein D
UniProt Protein Name	Pulmonary surfactant-associated protein D
UniProt Gene Name	Sftpd
UniProt Synonym Gene Names	Sftpd4; PSP-D; SP-D
UniProt Entry Name	SFTPD_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/sftpd-mouse-elisa-kits/sp-d/45924>