

Mouse Pulmonary Surfactant-Associated Protein D, Sftpd ELISA Kit | Sftpd elisa kit

Mouse Pulmonary Surfactant-Associated Protein D, Sftpd Primacu ELISA Kit

CATALOG #
AAA124179

REACTIVITY
Mouse

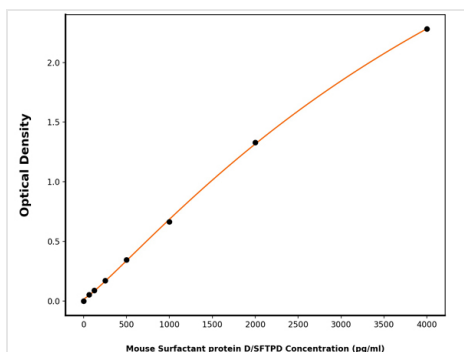
PRODUCT SYNONYMS

Pulmonary Surfactant-Associated Protein D; Sftpd; Mouse Pulmonary Surfactant-Associated Protein D; Sftpd Primacu ELISA Kit; Pulmonary surfactant-associated protein D; Surfactant protein D; Sftp4; Sftpd elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	62.5-4000pg/mL
Sensitivity	23.95pg/mL
Standard Solution	40ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for Sftpd elisa kit	Surfactant pulmonary-associated protein D, also known as SFTPD and SP-D, is a member of the collectin family of C-type lectins that is synthesized in many tissues including respiratory epithelial cells in the lung, and contains one C-type lectin domain and one collagen-like domain. The polymorphic variation in the N-terminal domain of the SP-D molecule influences oligomerization, function, and the concentration of the molecule in serum. SFTPD is produced primarily by alveolar type II cells and nonciliated bronchiolar cells in the lung and is constitutively secreted into the alveoli where it influences surfactant homeostasis, effector cell functions, and host defense. It is upregulated in a variety of inflammatory and infectious conditions including Pneumocystis pneumonia and asthma. SFTPD is humoral molecules of the innate immune system, and is considered a functional candidate in chronic periodontitis. Besides, it is involved in the development of acute and chronic inflammation of the lung. Several human lung diseases are characterized by decreased levels of bronchoalveolar SFTPD. Thus, recombinant SFTPD has been proposed as a therapeutical option for cystic fibrosis, neonatal lung disease and smoking-induced emphysema. Furthermore, SFTPD serum levels can be used as disease activity markers for interstitial lung diseases.
Product Categories/Family for Sftpd elisa kit	Primacu ELISA Kit ; Cancer ; Cell biology ; Immunology ; Metabolism ; Microbiology ; Signal transduction

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; Sftp4; 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	Sftp4; 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/mouse-elisa-kits/pulmonary-surfactant-associated-protein-d-sftpd/124179>