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Datasheet for ABIN6720259

SFTPD ELISA Kit

Overview

Quantity:	1 kit
Target:	SFTPD
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	625 pg/mL - 40000 pg/mL
Minimum Detection Limit:	625 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: 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, Pulmonary surfactant-associated protein D, SFTP 4, SFTP4, SFTPD, SFTPD_HUMAN, SP D, SP-D, Surfactant associated protein pulmonary 4, Surfactant pulmonary associated protein D</p> <p>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,</p>

Product Details

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.

Gene Name: SFTPD

Production: Natural and recombinant human SP-D. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: A21-F419

Target Details

Target:	SFTPD
Alternative Name:	SP-D (SFTPD Products)
Gene ID:	6441
NCBI Accession:	NP_003010
UniProt:	P35247

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 40,000pg/mL, 20,000pg/mL, 10,000pg/mL, 5,000pg/mL, 2,500pg/mL, 1,250pg/mL, 625pg/mL human SP-D standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human SP-D standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 625pg/mL-40,000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
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Handling

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.