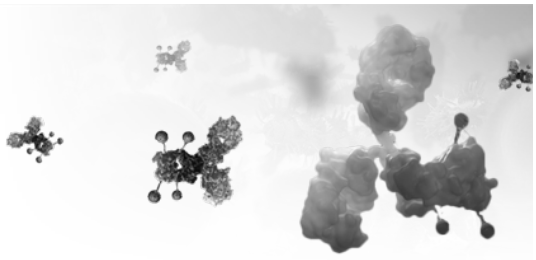

Rabbit Anti-Mouse Surfactant protein D/SFTPD monoclonal antibody, clone S120 (CABT-ZB805)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Mouse Surfactant protein D/SFTPD
Target	SFTPD
Immunogen	Recombinant Mouse SFTPD protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse
Clone	S120
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA, ELISA(cap) This antibody will detect Surfactant protein D/SFTPD in antibody pair set. [ABPR-ZB385]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse SFTPD.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL

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Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	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.
Keywords	SFTPD; surfactant protein D; SP-D; PSP-D

GENE INFORMATION

Synonyms	SFTPD; surfactant protein D; SP-D; PSP-D; pulmonary surfactant-associated protein D; lung surfactant protein D; surfactant, pulmonary-associated protein D
Entrez Gene ID	20390
UniProt ID	P50404

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