Rabbit anti-Human Pulmonary Surfactant-Associated Protein D (SFTPD) Monoclonal Antibody | anti-SFTPD antibody

Pulmonary Surfactant-Associated Protein D (SFTPD) Recombinant Rabbit Monoclonal Antibody [Clone SFTPD/7084R]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215916	**Rabbit**	**Human**	**Immunohistochemistry**

PRODUCT SYNONYMS

Pulmonary Surfactant-Associated Protein D (SFTPD); Monoclonal Antibody; Pulmonary Surfactant-Associated Protein D (SFTPD) Recombinant Rabbit Monoclonal Antibody [Clone SFTPD/7084R]; COLEC7; Collectin-7; Lung surfactant protein D; PSP-D Surfactant protein D; PSPD; Pulmonary surfactant associated protein PSP-D; SFTP 4; SFTP4; SFTPD; SP-D; Surfactant associated protein pulmonary 4; anti-SFTPD antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit/IgG
Clone Number	SFTPD/7084R
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0. 05% BSA & 0. 05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-SFTPD antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant fragment (around aa241-336) of human SFTPD protein (exact sequence is proprietary)
Cellular Localization	Secreted
Positive Control	Epithelial cells of the lung, skin, small intestine or bladder.
Hu-chromosome Location	10q22.3
Unigene	253495
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES

IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human lung carcinoma stained with Surfactant Protein D Recombinant Rabbit Monoclonal (SFTPD/7084R).

ADDITIONAL INFORMATION

Related Product Information for anti-SFTPD antibody	Pulmonary surfactant is primarily responsible for lowering the surface tension at the air-liquid interface in the alveoli, a process that is essential for normal respiration. Pulmonary surfactant is a mixture of phospholipids and proteins, including four distinct surfactant-associated proteins (SPs), SP-A, SP-B, SP-C, SP-D. SP-B and SP-C are predominantly hydrophobic proteins that associate with lipids to promote the absorption of surfactant phospholipids and to reduce the surface tension in the alveoli. SP-A and SP-D are large multimeric proteins belonging to the family of calcium-dependent lectins, designated Collectins, which contribute to the innate immune system. Both SP-A and SP-D have been shown to protect against microbial challenge through binding to the lipid components of the bacterial cell wall and facilitating the rapid removal of microbials.

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/monoclonal/pulmonary-surfactant-associated-protein-d-sftpd-antibody-clone-sftpd-7084r-immunohistochemistry-elisa/215916