

Immunotag™ SFTPD Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1126
Product Description	Immunotag™ SFTPD Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SFTPD
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human protein, at AA range: 290-370
Specificity	SFTPD Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	SFTPD COLEC7 PSPD SFTP4
Accession No.	P35247 P50404 P35248
Description	surfactant protein D(SFTPD) Homo sapiens The protein encoded by this gene is part of the innate immune response, protecting the lungs against inhaled microorganisms and chemicals. The encoded protein may also be involved in surfactant metabolism. [provided by RefSeq, Jul 2015],
Protein Expression	Amniotic fluid,Lung,Placenta,

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Subcellular Localization	extracellular region,proteinaceous extracellular matrix,collagen trimer,extracellular space,lysosome,endoplasmic reticulum membrane,endocytic vesicle,lamellar body,clathrin-coated endocytic vesicle,
Protein Function	<p>function:Contributes to the lung's defense against inhaled microorganisms. May participate in the extracellular reorganization or turnover of pulmonary surfactant. Binds strongly maltose residues and to a lesser extent other alpha-glucosyl moieties.,miscellaneous:Pulmonary surfactant consists of 90% lipid and 10% protein. There are 4 surfactant-associated proteins: 2 collagenous, carbohydrate-binding glycoproteins (SP-A and SP-D) and 2 small hydrophobic proteins (SP-B and SP-C).,online information:Pulmonary surfactant protein SP-D,PTM:Hydroxylation on proline residues within the sequence motif, GXPG, is most likely to be 4-hydroxy as this fits the requirement for 4-hydroxylation in vertebrates.,PTM:The N-terminus is blocked.,similarity:Belongs to the SFTPD family.,similarity:Contains 1 C-type lectin domain.,similarity:Contains 1 collagen-like domain.,subunit:Oligomeric complex of 4 set of homotrimers.,</p>
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.