

Mouse SURFACTANT PROTEIN D Monoclonal Antibody | anti-SFTPD antibody

MOUSE ANTI PIG SURFACTANT PROTEIN D

CATALOG # AAA49769	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence, Immunohistochemistry
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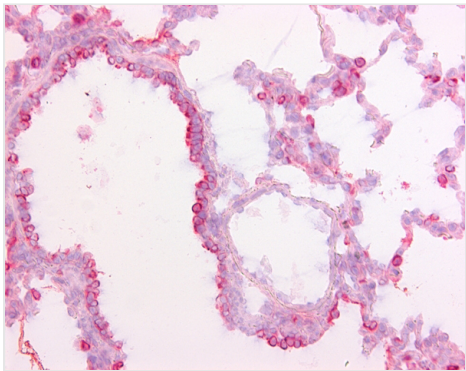
PRODUCT SYNONYMS

SURFACTANT PROTEIN D; Monoclonal Antibody; MOUSE ANTI PIG SURFACTANT PROTEIN D; anti-SFTPD antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1.7
Specificity	This item detects porcine surfactant protein D (pSP-D), a 138kD member of the collectin family of proteins. Surfactant protein D is thought to play a significant role in the innate immune response against microorganisms within the lungs and at other mucosal surfaces. SP-D is a multifunctional protein which binds selectively to saccharides and lipids on microbial surfaces promoting antimicrobial responses and regulating surfactant lipid homeostasis. SP-D expression is induced in lung surfactant in response to aerogenous bacterial infection, and upon binding to bacteria, promotes phagocytosis and antigen presentation by dendritic cells. Recent studies suggest that pSP-D could serve as a serum biomarker specific for bronchopneumonia in pigs.
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Sequence Length	378
Applicable Applications for anti-SFTPD antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃) Preparation
Immunogen	Purified porcine surfactant protein D Histology Positive Control Tissue
Target Species	Pig
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data
Staining of frozen pig lung with Mouse anti pig Surfactant Protein D

ADDITIONAL INFORMATION

Related Product Information for anti-SFTPD antibody	MBS219620 detects porcine surfactant protein D (pSP-D), a 138kD member of the collectin family of proteins. Surfactant protein D is thought to play a significant role in the innate immune response against microorganisms within the lungs and at other mucosal surfaces. SP-D is a multifunctional protein which binds selectively to saccharides and lipids on microbial surfaces promoting antimicrobial responses and regulating surfactant lipid homeostasis. SP-D expression is induced in lung surfactant in response to aerogenous bacterial infection, and upon binding to bacteria, promotes phagocytosis and antigen presentation by dendritic cells. Recent studies suggest that pSP-D could serve as a serum biomarker specific for bronchopneumonia in pigs.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47523028
NCBI GeneID	397198
NCBI Accession #	NP_999275.1
NCBI GenBank Nucleotide #	NM_214110.1
UniProt Accession #	Q9N1X4
Molecular Weight	37,986 Da
NCBI Official Full Name	pulmonary surfactant-associated protein D
NCBI Official Symbol	SFTPD
NCBI Official Synonym Symbols	SP-D; PSP-D
NCBI Protein Information	pulmonary surfactant-associated protein D; lung surfactant protein D; surfactant, pulmonary-associated protein D
UniProt Protein Name	Pulmonary surfactant-associated protein D
UniProt Gene Name	SFTPD
UniProt Synonym Gene Names	PSP-D; SP-D
UniProt Entry Name	SFTPD_PIG

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/surfactant-protein-d-antibody-clone-1-7-western-blot-immunohistochemistry-immunofluorescence-immunohistochemistry-elisa/49769>