

Product Datasheet

SP-D Antibody (1.7) - BSA Free NBP1-41050

Unit Size: 0.125 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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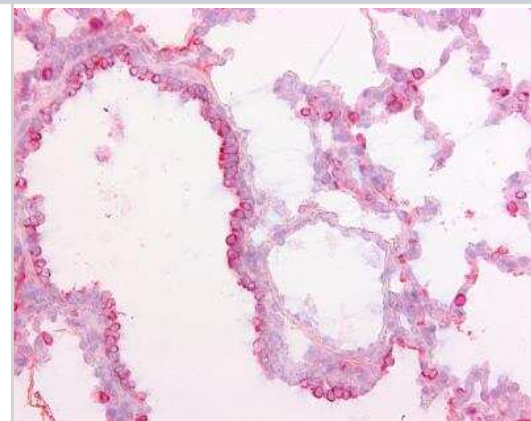
NBP1-41050

SP-D Antibody (1.7) - BSA Free

Product Information	
Unit Size	0.125 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1.7
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse SP-D Antibody (1.7) - BSA Free (NBP1-41050) is a monoclonal antibody validated for use in IHC and WB. Anti-SP-D Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	6441
Gene Symbol	SFTPD
Species	Porcine
Specificity/Sensitivity	This antibody 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.
Immunogen	Purified porcine surfactant protein D
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1 ug/ml
Application Notes	For IHC-P: This product requires antigen retrieval using heat treatment prior to staining of paraffin sections; TRIS/EDTA buffer pH8.0 is recommended for this purpose.

Images

Immunohistochemistry-Paraffin: SP-D Antibody (1.7) [NBP1-41050] - Staining of frozen pig lung with Mouse anti pig Surfactant Protein D



Publications

Mayor RS, Finch KE, Zehr J et al. Maternal high-fat diet is associated with impaired fetal lung development. *Am J Physiol Lung Cell Mol Physiol* 2015-08-15 [PMID: 26092997] (Mouse)

Soerensen, CM et al. Pulmonary infections in swine induce altered porcine surfactant protein D expression and localization to dendritic cells in bronchial-associated lymphoid tissue. *Immunology*. *Immunology*. [PMID: 16011521]

Soerensen, CM et al. Purification, characterization and immunolocalization of porcine surfactant protein D. *Immunology*. 114: 72-82. 2005-01-01 [PMID: 15606797]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-41050

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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