

Product datasheet

Anti-Surfactant protein D/SP-D antibody [VIF11] (Biotin) ab15696

★★★★★ 1 Abreviews 3 References 1 Image

Overview

Product name	Anti-Surfactant protein D/SP-D antibody [VIF11] (Biotin)
Description	Mouse monoclonal [VIF11] to Surfactant protein D/SP-D (Biotin)
Host species	Mouse
Conjugation	Biotin
Tested applications	Suitable for: IHC-Fr, IHC-P, ELISA
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Full length native protein (purified) corresponding to Rat Surfactant protein D/SP-D.
Epitope	Localised in the lectin domain of Surfactant protein D/SP-D.
Positive control	Alveolar type II cells, alveolar macrophages. Clara cells SP-A+ and SP-A-.
General notes	Previously labelled as Surfactant protein D.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Thimerosal (merthiolate) Constituent: 1% BSA
Purity	Affinity purified
Clonality	Monoclonal
Clone number	VIF11
Isotype	IgG1
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab15696** in the following tested applications.

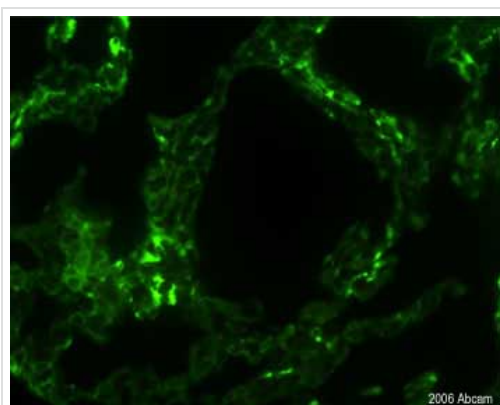
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr	★★★★☆	1/10 - 1/200. 1/10 for staining human tissue, 1/200 for staining rat tissue.
IHC-P		1/10 - 1/200. Perform heat mediated antigen retrieval via the microwave method before commencing with IHC staining protocol. 1/10 for staining human tissue, 1/200 for staining rat and mouse tissue (see Abreview).
ELISA		Use a concentration of 2 µg/ml.

Target

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.
Sequence similarities	Belongs to the SFTPD family. Contains 1 C-type lectin domain. Contains 1 collagen-like domain.
Post-translational modifications	The N-terminus is blocked. 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.
Cellular localization	Secreted > extracellular space > extracellular matrix. Secreted > extracellular space > surface film.

Images



Immunohistochemistry (Frozen sections) - Anti-Surfactant protein D/SP-D antibody [VIF11] (Biotin) (ab15696)

ab15696 at a 1/200 dilution staining Surfactant protein D/SP-D from mouse lung tissue sections by Immunohistochemistry (frozen sections). The antibody was incubated with the tissue for 24 hours and then detected using an Alexa Fluor® 488 conjugated Goat anti-mouse IgG antibody.

This image is courtesy of an Abreview submitted by an anonymous researcher on **24 January 2006**.

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