abcam

Product datasheet

Anti-Surfactant protein D/SP-D antibody [1.7] ab194859

1 Image

Overview

Product name	Anti-Surfactant protein D/SP-D antibody [1.7]
Description	Mouse monoclonal [1.7] to Surfactant protein D/SP-D
Host species	Mouse
Tested applications	**Suitable for:** IHC-Fr
Species reactivity	**Reacts with:** Pig
Immunogen	Tissue, cells or virus corresponding to Pig Surfactant protein D/SP-D. Surfactant D from porcine lung. Database link: **Q9N1X4**
Positive control	Pig lung tissue.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: 99% PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	1.7
Myeloma	P3x63-Ag8.653
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab194859 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		Use a concentration of 1 µg/ml.

Target

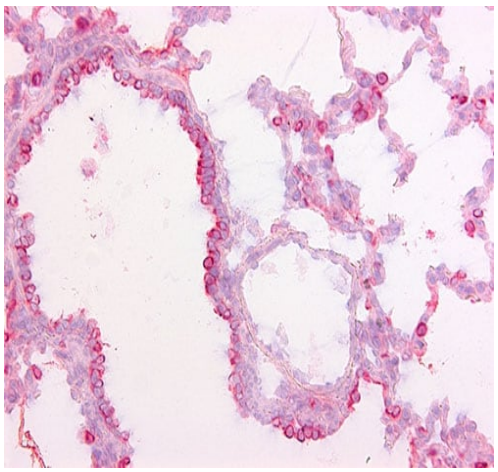
Function Contributes to the lung's defense against inhaled microorganisms. May participate in the extracellular reorganization or turnover of pulmonary surfactant. Binds strongly maltose residues and to a lesser extent other alpha-glucosyl moieties.

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 [1.7] (ab194859)

Immunohistochemical analysis of frozen pig lung tissue labeling Surfactant protein D/SP-D with ab194859 at 1 µg/ml.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors