

SFTPB mouse monoclonal antibody (hybridoma)

Catalog # H00006439-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant SFTPB.
Immunogen	SFTPB (NP_000533.2, 1 a.a. ~ 381 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAESHLQWLLLLLPTLCGPGTAAWTSSSLACAQGPEFWCQSLEQALQCRALGHCLQEIVWGHV GADDLCQECEDIVHILNKMAKEAIFQDTMRKFLEQECNVLPKLKLLMPQC�QNVLDDYFPLVIDYFQN QTDSNGICMHLGLCKSRQPEPEQEPGMSDPLPKPLRDPLDPLLDKLVLPVLPALQARPGPHT QDLSEQQFPIPLPYCWLCRALIKRIQAMIPKGALAVAVAQVCRVVPLVAGGICQCLAERYSVILLDT LLGRMLPQLVCRLVLRCSMDDSAQPRSPTEWLPRDSECHLCMSVTTQAGNSSEQAIPQAMLQ ACVGSWLDREKCKQFVEQHTPQLLTLVPRGWDAAHTTCQALGVCCTMSSPLQCIHSPDL
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — SFTPB

Entrez GeneID [6439](#)

GeneBank Accession# [NM_000542.2](#)

Protein Accession# [NP_000533.2](#)

Gene Name SFTPB

Gene Alias PSP-B, SFTB3, SFTP3, SMDP1, SP-B

Gene Description surfactant protein B

Omim ID [178640 265120](#)

Gene Ontology [Hyperlink](#)

Gene Summary The SFTPB gene encodes the pulmonary-associated surfactant B protein (SPB), an amphipathic surfactant protein essential for lung function and homeostasis after birth. Pulmonary surfactant is a lipid-rich material that prevents lung collapse by lowering surface tension at the air-liquid interface in the alveoli of lung. SPB enhances the rate of spreading and increases the stability of surfactant monolayers in vitro. Surfactant is composed of phospholipids and other surfactant-associated proteins (Clark et al., 1995 [PubMed 7644495]). See also SFTPA1 (MIM 178630), SFTPC (MIM 178620), and SFTPD (MIM 178635).[supplied by OMIM]

Other Designations Pulmonary surfactant-associated protein B, 18kD|surfactant, pulmonary-associated protein B

Disease

- [alpha 1-Antitrypsin Deficiency](#)
- [Alpha-1-antitrypsin deficiency](#)
- [Anoxia](#)
- [Asthma](#)
- [Bronchiolitis](#)
- [Bronchopulmonary Dysplasia](#)
- [Carcinoma](#)
- [Community-Acquired Infections](#)
- [Critical Illness](#)
- [Diseases in Twins](#)

- [Ductus Arteriosus](#)
- [Emphysema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercapnia](#)
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- [Lung carcinoma](#)
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