Datasheet for ABIN1387397

anti-Surfactant Protein C antibody (AA 24-58)

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Overview

Quantity:	100 µL
Target:	Surfactant Protein C (SFTPC)
Binding Specificity:	AA 24-58
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Surfactant Protein C antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SP-C
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Cow,Sheep,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Surfactant Protein C (SFTPC)
Alternative Name:	SP-C (SFTPC Products)

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Target Details

Background:	Synonyms: SP-C, PSP-C, SFTP2, SMDP2, BRICD6, Pulmonary surfactant-associated protein C, Pulmonary surfactant-associated proteolipid SPL(Val), SP5, SFTPC Background: Pulmonary surfactant associated proteins promote alveolar stability by lowering the surface tension at the air-liquid interface in the peripheral air spaces.
Gene ID:	6440
UniProt:	P11686

Application Details

Application Notes:	ELISA 1:500-1000
	FCM 1:20-100
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

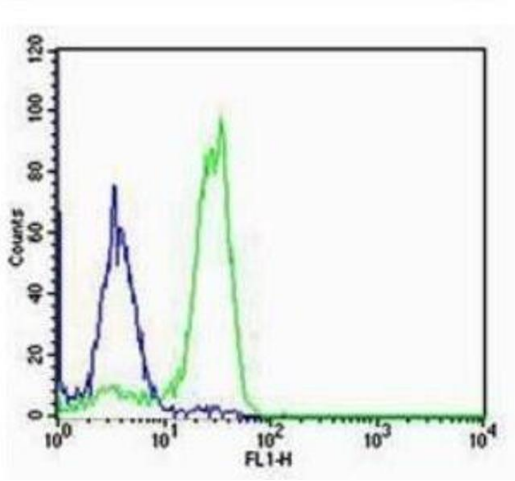
Product cited in:	Dinh, Cores, Hensley, Vandergriff, Tang, Allen, Caranasos, Adler, Lobo, Cheng: "Derivation of therapeutic lung spheroid cells from minimally invasive transbronchial pulmonary biopsies." in: **Respiratory research**, Vol. 18, Issue 1, pp. 132, (2017) (PubMed).

Publications

Yan, Xiaoli, Guoliang, Zhonghui, Di, Ximeng, Piye, Li, Lin: "SB203580 inhibits epithelial-mesenchymal transition and pulmonary fibrosis in a rat silicosis model." in: **Toxicology letters**, Vol. 259, pp. 28-34, (2016) (PubMed).

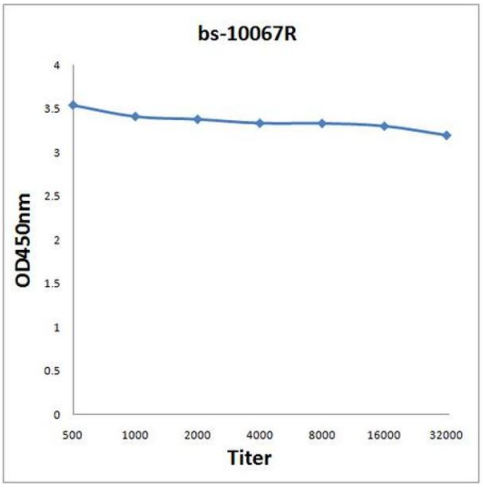
Vadasz, Jensen, Moncada, Girard, Zhang, Blanchette, Finck: "Second and third trimester amniotic fluid mesenchymal stem cells can repopulate a de-cellularized lung scaffold and express lung markers." in: **Journal of pediatric surgery**, Vol. 49, Issue 11, pp. 1554-63, (2014) (PubMed).

Images



Flow Cytometry

Image 1. NCI-H460 cells probed with Rabbit Anti-SP-C Polyclonal Antibody Alexa Fluor 488 Conjugated Secondary Antibody.



ELISA

Image 2. Antigen: 2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Rabbit Anti-Goat IgG at 1: 5000; TMB staining Read the data in Microplate Reader by 450nm.

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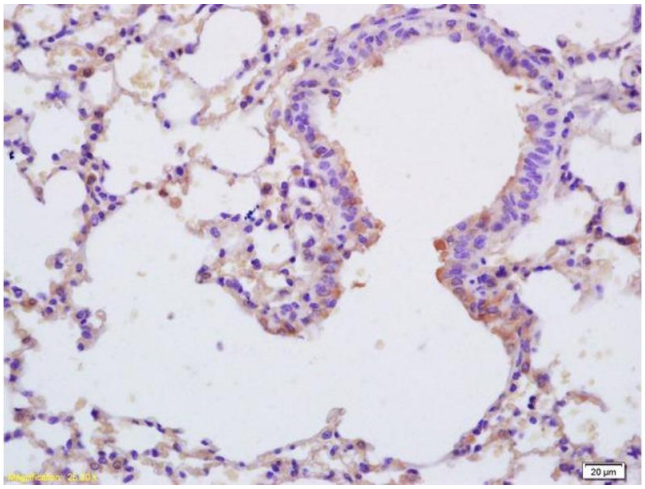

Immunohistochemistry

Image 3. Formalin-fixed and paraffin embedded mouse lung labeled with Anti-MuRF1/Trim63 Polyclonal Antibody, Unconjugated (ABIN1387397) at 1:200 followed by conjugation to the secondary antibody and DAB staining.

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