## bs-1583R

## [ Primary Antibody ]

# SFTPD Rabbit pAb



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— DATASHEET ———		400-901-9800
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		<b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500)
GenelD: 6441	SWISS: P35247	IF (1:100-500)
Target: SFTPD		Flow-Cyt (2ug/Test)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human SP-D: 301-375/375.		<b>Reactivity:</b> Human (predicted: Mouse, Rat)
Purification: affinity purified by	Protein A	
Concentration: 1mg/ml		Predicted
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%		MW.: <sup>41 kDa</sup>
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Subcellular Location: Secreted
Background: Surfactant proteir inhaled microorga carbohydrate bind type mammalian molecular size of a 620kDa in non dis enhances the proo macrophages and	D Contributes to the lung's defense against anisms. It's a calcium ion dependent ding protein and is structurally similar to other C lectins, such as conglutinin and SPA. It has a approximately 37-43kDa in its reduced state, sociating conditions. Surfactant protein D duction of oxygen radicals by rat alveolar regulates some actions of SPA, which is the mos	st

#### - VALIDATION IMAGES



Formalin-fixed and paraffin embedded mouse lung tissue labeled Anti-SP-D Polyclonal Antibody, Unconjugated (bs-1583R) at 1:2000, followed by conjugation to the secondary antibody and DAB staining



abundant surfactant protein. Surfactant protein D is synthesized

and secreted by alveolar epithelial type II cells.

Blank control:THP-1. Primary Antibody (green line): Rabbit Anti-SFTPD antibody (bs-1583R) Dilution: 2µg/10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



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### - SELECTED CITATIONS -

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