

Product datasheet for **BM4005**

Sftpd (Lectin Domain) Mouse Monoclonal Antibody [Clone ID: VIF11]

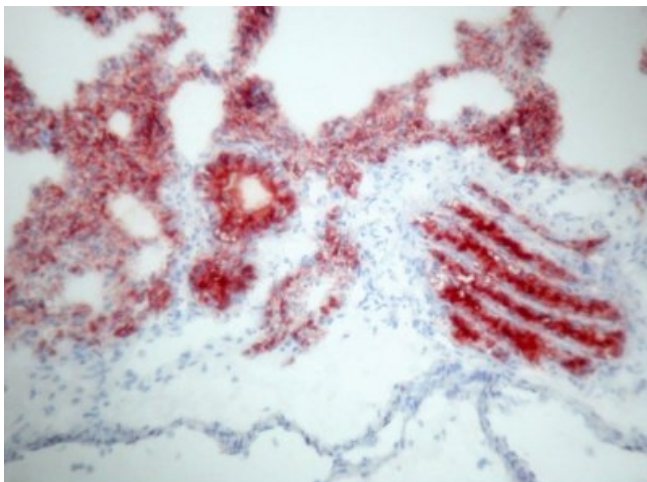
Product data:

Product Type:	Primary Antibodies
Clone Name:	VIF11
Applications:	ELISA, IHC, WB
Recommended Dilution:	Immunohistochemistry on Frozen Sections: 0.5 µg/ml (1/800) for Rat Cryosections and 10-20 µg/ml (1/20-1/40) for Human Frozen Sections. Immunohistochemistry on Paraffin Sections: 10-20 µg/ml (1/20-1/40) for Rat Paraffin Sections (microwave pretreatment for antigen retrieval is recommended). Suggested Positive Control: Rat lung. Has been described to work in ELISA and Western blots .
Reactivity:	Human, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified Rat Surfactant Protein D (SP-D) from bronchoalveolar lavage. The epitope is localized in the lectin domain of SP-D.
Specificity:	Clone VI F11 is useful for staining rat and human surfactant protein D . Antigen Distribution on Tissues and Cells: Alveolar type II cells, alveolar macrophages, two types of Clara cells SP-A+ and SP-A-, and extracellular deposits. Alveolar type III cells stain negative. No reaction on Rat skin, colon, kidney and liver. Negative Species: Pig.
Formulation:	PBS, pH 7.2 State: Purified State: Lyophilized purified IgG fraction Stabilizer: 5 mg/ml BSA Preservative: 0.05% (v/v) Kathon CG
Reconstitution Method:	Restore by adding 0.5 ml distilled water (= 0.4 mg/ml Stock Solution).
Concentration:	0.4 mg/ml (after reconstitution)
Purification:	Affinity Chromatography



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Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	surfactant protein D
Database Link:	Entrez Gene 6441 Human Entrez Gene 25350 Rat P35248
Background:	Surfactant protein D is a Ca ²⁺ -dependent carbohydrate binding protein with a similar structure as other C-type mammalian lectins such as conglutinin and SP-A. The molecular weight is 620 kD under non reducing conditions and 43 kD under reducing conditions. The function of SP-D is not clearly defined. SP-D enhances the production of oxygen radicals in alveolar macrophages and regulates some actions of SP-A, which is the most abundant surfactant protein. SP-D is synthesized and secreted by alveolar epithelial type II cells.
Synonyms:	Lung surfactant protein D, SP-D, PSP-D, PSPD, SFTP4, Collectin-7, COLEC7

Product images:

Immunohistochemistry: SP-D antibody (Clone: VIF11) staining of Rat Lung Frozen Section