

**Anti-Surfactant protein A (human, hSP-A)****Mouse monoclonal antibody, biotinylated  
HYB 238-04B**

Subclass: IgG1/k

Clone: 6F10

PRODUCT NO.

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SPECIFICITY	HYB 238-04 is specific for human pulmonary SP-A.
IMMUNOGEN	Native SP-A purified from bronchioalveolar lavage from proteinosis patients
TESTED APPLICATIONS	ELISA
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	Not determined

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**PRESENTATION**

Content:	150 µL, 1 mg/mL +/- 15%. See Certificate of Analysis for details.
Preparation:	Biotinylated
Form:	Liquid
Solvent:	0.01 M phosphate buffer, pH 7.4, with 0.14 M NaCl and 15mM sodium azide
Storage:	4-8°C without exposure to light. No precautions necessary during handling.

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**APPLICATION**      **ELISA:** HYB 238-04 can be used in ELISA.**TARGET**      Surfactant protein A (SP-A) is synthesized and secreted by lung epithelial cells. It belongs to group III of the family of C-type lectins and members of this group has overall structure consisting of multiple globular 'head' regions linked by triple-helical, collagen-like, strands. This group also includes SP-D and the serum proteins mannan-binding protein, conglutinin and collectin-43, all of which have been shown to bind to the C1q receptor found on a wide variety of cells. Both SP-D and SP-A have been shown to enhance oxygen radical production by alveolar macrophages. The serum concentration is 45 ng/ml in health.**REFERENCES****CONDITIONS**

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