

Surfactant protein A (6F10) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250400

Unit: 0.2 mg

Description:

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 healthy individuals. This antibody is specific for human pulmonary SP-A.

Isotype: Mouse IgG1

Applications: E, IHC, WB

Species Reactivity: H

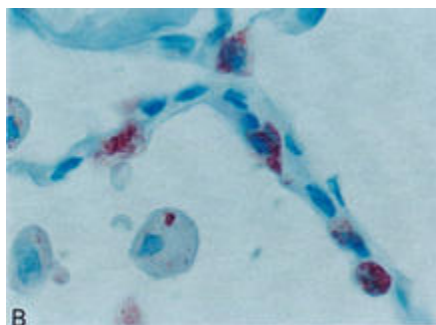
Format: Each vial contains 0.2 mg IgG in 0.2 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-A/G affinity chromatography.

Alternate Names: Pulmonary surfactant-associated protein A1; SP-A1; SP-A; PSP-A; PSPA; Alveolar proteinosis protein; 35 kDa pulmonary surfactant-associated protein

Accession No.: Q8IWL2

Antigen: Native SP-A purified from bronchioalveolar lavage from proteinosis patients

Application Notes: Product Cat. No. 250400 reacts in western blot with reduced forms of SP-A, but weakly with non-reduced forms. Product Cat. No. 250400 reacts specifically with human SP-A in immunohistochemical staining of paraffin-embedded tissue samples. Immunoreactivity is seen in alveolar type II cells, nonciliated bronchial cells and a subset of alveolar macrophages. No reactivity is seen in samples from pancreas, intestines, thymus, prostate gland and peritoneal cavity-lining cells. Product Cat. No. 250400 reacts strongly in ELISA with SP-A directly coated onto the microtiter well. E: 1:16,000; WB: 1:1,000; IHC: 1:3,000



SP-A staining in lung. Paraffin-embedded human lung is stained with Surfactant protein A (6F10) Antibody (Cat. No. 250400) used at 1:1,000 dilution.

Storage: Store at 4°C. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.