
Surfactant protein D (12G5) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250401

Unit: 0.2 mg

Description:

Surfactant protein D (SP-D) 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-A 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 88 ng/ml in healthy individuals. This antibody is specific for human SP-D.

Isotype: Mouse IgG1/k

Applications: WB, IHC

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 D; SP-D; PSP-D; PSPD; Lung surfactant protein D

Accession No.: P35247

Antigen: Recombinant neck CRD SP-D

Application Notes: Product Cat. No. 250401 reacts specifically with SP-D in immunohistochemical staining of paraffin-embedded tissues. Immunoreactivity is seen in epithelial cells of the lung, skin, small intestine, esophagus, gall-bladder, kidney and urinary bladder. Product Cat. No. 250401 reacts strongly in western blot with SP-D in both reduced and non-reduced forms. Product Cat. No. 250401 can be used in ELISA in presence of calcium. E: 1:250; WB: 1:20,000; IHC: 1:800

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.