

Monoclonal Antibody to Surfactant Protein A (SFTPA) - Purified

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| Alternate names: | SP-A, SPA |
| Catalog No.: | AM00529SU-N |
| Quantity: | 0.5 ml |
| Background: | Pulmonary surfactant apoproteins are located in type II pneumocytes of the lung play role in reducing surface tension of alveolar interface. These are highly specific to lungs and are also found in many bronchioalveolar carcinomas and adenocarcinomas of lung. |
| Host / Isotype: | Mouse / IgG2b |
| Recommended Isotype Controls: | SM12P, AM03110PU-N |
| Clone: | PE10 |
| Immunogen: | Surfactant apoproteins isolated from lung lavages of patients with alveolar proteinosis Remarks: Mol. Wt. of Antigen: 70 kDa. |
| Format: | State: Liquid tissue culture supernatant Buffer System: 0.09 % sodium azide |
| Applications: | Immunohistology (Formalin/paraffin): 1:50 - 1:100 for 30 min at RT. No special pretreatment is required for staining of formalin-fixed, paraffin-embedded tissues. Positive Control: Lung. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | This antibody detects Surfactant Protein A. It also detects 34, 36, 37 and 62 kDa species (1). Species: Human. Does not react with Rabbit, Rat and Pig. Other species not tested. |
| Add. Information: | Cellular Localization: Cytoplasmic Granular |
| Storage: | Store the antibody at 2 - 8 °C up to one month or in aliquots at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch. |
| General Readings: | 1. Kuroki Y, et al. (1985) Biochim Biophys Acta, 836:201-209. 2. Shimizu H, et al. (1989) Tohoku J Exp Med, 157:269-278. 3. Mizutani Y, et al. (1988) Cancer, 61:532-537. 4. Nicholson A G, et al. (1995) Histopathol, 27:57-60. |

Pictures:

Formalin-fixed, paraffin-embedded human lung stained with Surfactant Apoprotein A (AM00529SU-N) using peroxidase-conjugate and AEC chromogen. Note cytoplasmic staining of alveolar type II epithelial cells.

