

Monoclonal Antibody to Human Surfactant Protein B (Mature)

Catalog No.:	DM3204
Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	1B9
Immunogen:	Recombinant Surfactant Protein B

Mol. Wt of Antigen: 8-9k

Applications: Immunofluorescence. Immunohistology (Formalin/paraffin): Use Ab at 1-2µg/ml for 30 min at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min. Recommended positive control: Lung Adenocarcinomas. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: ProSP-B is glycosylated in the Golgi apparatus and undergoes carboxy- and aminoterminal proteolysis by a cathepsin D-like protease. This antigen is expressed in pulmonary adenocarcinomas with acinar, papillary, bronchioalveolar, and solid growth patterns. Squamous cell and large cell carcinomas of the lung and nonpulmonary adenocarcinomas do not express SP-B. Cellular Localization: cytoplasmic. Species reactivity: human, others not tested.

Storage: Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.

General Readings: 1. Khor A, et. al. (1994) J Histochem Cytochem, 42:1187-1199.
2. Stahlman