

AM03212PU-S**Monoclonal Antibody to Fibroblast Surface Protein - Ascites****Alternate names:**

Fibroblast Marker, Fibroblasten

Quantity:

0.5 ml

Background:

Overgrowth of epithelial cells by fibroblasts has long been an obstacle to cultivation of normal and abnormal epithelial cells. In addition, apart from the functional significance of cells characteristics, the characterization of cell lines is important for correlation of cultures with tissue origin, identification of the lineage to which the cells belong or the precursor status of the cells. Monoclonal antibodies to fibroblast surface protein should provide a powerful tool for control of fibroblast growth in a variety of human cell culture systems, such as thymic epithelial (TE) cell cultures allowing the growth of highly enriched populations of the TE cells. It is also useful for Flow cytometry, Immunohistochemistry and Immunoblotting.

Host / Isotype:

Mouse / IgM

Clone:

1B10

Immunogen:

Cultured human thymic fibroblasts.

Format:**State:** Liquid Ascites**Preservatives:** < 0.1% Sodium Azide**Applications:**

Immunohistochemistry on Paraffin Sections (Pretreatment of formalin fixed paraffin embedded tissue sections has not been characterized).

This product is intended for qualitative Immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls.

This antibody may be diluted to a titer of 1/25-1/50 in an ABC method for 30 min. at RT.

Positive Control: Thymus.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody reacts with proteins of 43 kDa and 72-80 kDa molecular weight. It reacts with a Surface Protein on Fibroblasts (synovial, foreskin and thymic), fibroblast cell lines, tissue macrophages, and 95% of peripheral blood monocytes. It does not stain lymphocytes or human epithelial cells but does stain malignant fibrosarcoma tissue. Cellular Localization: Membrane.

Species: Human.

Other species not tested.

Storage:

Store the antibody (undiluted) at 2-8°C

Shelf life: one year from despatch.

General Readings:

1. Hoyhtya, M., et al., Eur J Biochem 141(3):477-482, 1984.
2. SunderRaj, N., et al., Curr. Eye Res. 3:637, 1984.
3. Le, P., et al., J. Immunol., 145, 3310, 1990.