

Monoclonal Antibody to IPO-38 Proliferation marker - Supernatant

| | |
|--------------------------|--|
| Alternate names: | IPO38 |
| Catalog No.: | AM33256SU-S |
| Quantity: | 0.1 ml |
| Background: | IPO-38 antigen is present in the nuclei of proliferating cells such as Hodgkin's disease and non-Hodgkin's lymphomas, different forms of leukemias, breast and colorectal carcinomas, and PHA-stimulated lymphocytes. It is not expressed in the cells of non-stimulated lymphocytes and granulocytes. |
| Host / Isotype: | Mouse / IgM |
| Clone: | SPM515 |
| Immunogen: | Spleen cells of a patient with hairy cell leukemia. |
| Format: | State: Liquid Bioreactor Concentrate Preservatives: 0.05% Sodium Azide |
| Applications: | Immunofluorescence: 1/50-1/100. Immunohistochemistry on Frozen and Formalin-Fixed, Paraffin Sections: 1/100-1/200 for 30 min at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min. Positive Control: Raji and PHA-stimulated (>12 hours) Human or Mouse lymphocytes. Breast and colorectal carcinomas. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Molecular Weight: | 14-16kDa |
| Specificity: | Recognizes a protein of 14-16kDa, which is a novel nuclear antigen of proliferating cells. IPO-38 antigen is present in the nuclei of proliferating cells such as Hodgkin's disease and non-Hodgkin's lymphomas, different forms of leukemias, breast and colorectal carcinomas, and PHA-stimulated lymphocytes. It is not expressed in the cells of non-stimulated lymphocytes and granulocytes. IPO-38 can be a useful marker of cell proliferation during monitoring of tumor progression. Cellular Localization: Nucleus. Species: Human, Mouse, Rat. Other species not tested. |
| Storage: | Store undiluted at 2-8°C. Shelf life: one year from despatch. |
| General Readings: | 1. Sidorenko SP, Vetrova EP, Iurchenko OV, Shlapatskaia LN, Berdova AG, Elenskaia AM, et al. [Monoclonal antibodies of the IPO series in studying and diagnosing malignant |

lymphoproliferative diseases]. Gematol Transfuziol. 1990 Apr;35(4):19-22. PubMed PMID: 2373343.

2. Mikhalap SV et al. Monoclonal antibody IPO-38 recognizes a novel nuclear antigen of proliferating cells. In Kishimoto T et al eds. Leukocyte Typing VI, p609-610, Garland Publishing, New York, 1997.

3. Mathews MB, Bernstein RM, Franza BR, Garrels JI. Identity of the proliferating cell nuclear antigen and cyclin. Nature. 1984 May 24-30;309(5966):374-6. PubMed PMID: 6145097.