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AM33249SU-N OriGene EU

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Monoclonal Antibody to IPO-38 Proliferation marker - Supernatant

Alternate names: IPO38

Catalog No.: AM33249SU-N

Quantity: 0.5 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. IPO-38 can be a useful marker of cell

proliferation during monitoring of tumor progression.

Host / Isotype: Mouse / IgM Clone: SPM260

Immunogen: Spleen cells of a patient with hairy cell leukemia.

Format: State: Liquid Bioreactor Concentrate
Preservatives: 0.05% Sodium Azide

Applications: Immunofluorescence: 1/25-1/50.

Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections: 1/50-1/100 for 30

minutes at RT.

Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate, pH 6.0,

for 10-20 min followed by cooling at RT for 20 minutes.

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.

Specificity: Recognizes a protein of 14-16kDa, which is a novel nuclear antigen of proliferating cells.

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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: Nuclear. **Species Reactivity: Tested:** Human, Mouse, Rat.

Storage: Store undiluted at 2-8°C.

DO NOT FREEZE!

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

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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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.

