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### AM33334SU-N OriGene EU

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## Monoclonal Antibody to IPO-38 Proliferation marker -**Supernatant**

**IPO38** Alternate names:

**Catalog No.:** AM33334SU-N

**Quantity:** 0.5 ml

**Background:** IPO-38 antigen is present in the nuclei of proliferating cells such as Hodgkins disease and

> non-Hodgkins 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 useful marker of cell proliferation during monitoring of tumor progression.

**Host / Isotype:** Mouse / IgM

Clone: IPO-38

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

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.

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 nonstimulated 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. Store undiluted at 2-8°C. Storage:

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.

Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com



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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.

