

OriGene Technologies Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES

Phone: +1-888-267-4436 Fax: +1-301-340-8606 techsupport@origene.com AM33256SU-S
OriGene EU

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Acris Antibodies GmbH

Schillerstr. 5 32052 Herford GERMANY

Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info@acris-antibodies.com

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

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.

