

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

<b>Alternate names:</b>	IPO38
<b>Catalog No.:</b>	AM33334SU-N
<b>Quantity:</b>	0.5 ml
<b>Background:</b>	<p>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.</p> <p>IPO-38 can be useful marker of cell proliferation during monitoring of tumor progression.</p>
<b>Host / Isotype:</b>	Mouse / IgM
<b>Clone:</b>	IPO-38
<b>Immunogen:</b>	Spleen cells of a patient with hairy cell leukemia.
<b>Format:</b>	<b>State:</b> Liquid Bioreactor Concentrate <b>Preservatives:</b> 0.05% Sodium Azide
<b>Applications:</b>	<p><b>Immunofluorescence:</b> 1/25-1/50.</p> <p><b>Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections:</b> 1/50-1/100 for 30 minutes at RT.</p> <p>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.</p> <p><b>Positive Control:</b> Raji and PHA-stimulated (&gt;12 hours) human or mouse lymphocytes. Breast and colorectal carcinomas.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
<b>Specificity:</b>	<p>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.</p> <p><b>Cellular Localization:</b> Nuclear.</p>
<b>Species Reactivity:</b>	<b>Tested:</b> Human, Mouse, Rat.
<b>Storage:</b>	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b> Shelf life: one year from despatch.
<b>General Readings:</b>	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.