

**IPO-38 (Proliferation Marker) Antibody - With BSA and Azide**  
**Mouse Monoclonal Antibody [Clone IPO-38 ]**  
**Catalog # AH12887****Specification**

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**IPO-38 (Proliferation Marker) Antibody - With BSA and Azide - Product Information**

Application	,14,3,4,
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgM, kappa
Calculated MW	14-16kDa KDa

**IPO-38 (Proliferation Marker) Antibody - With BSA and Azide - Additional Information****Storage**

Store at 2 to 8°C. Antibody is stable for 24 months.

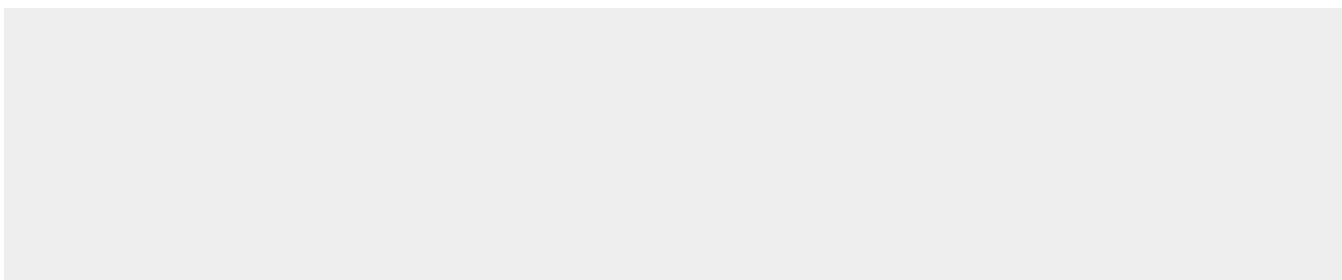
**Precautions**

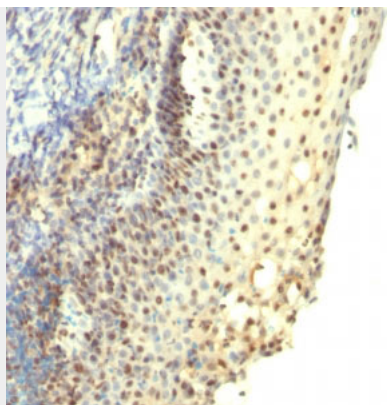
IPO-38 (Proliferation Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

**IPO-38 (Proliferation Marker) Antibody - With BSA and Azide - Protein Information****IPO-38 (Proliferation Marker) Antibody - With BSA and Azide - Protocols**

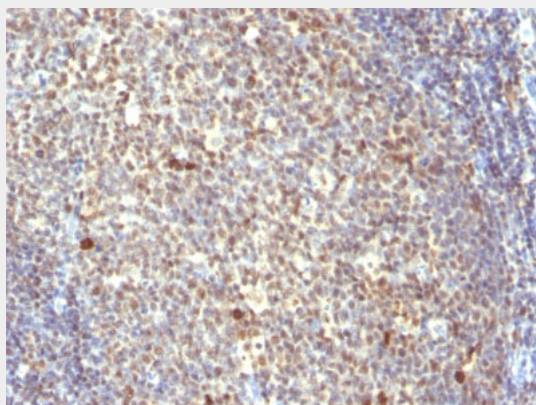
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**IPO-38 (Proliferation Marker) Antibody - With BSA and Azide - Images**



Formalin-fixed, paraffin-embedded human Tonsil stained with IPO-38 Monoclonal Antibody.



Formalin-fixed, paraffin-embedded human Tonsil stained with IPO-38 Monoclonal Antibody.

#### **IPO-38 (Proliferation Marker) Antibody - With BSA and Azide - Background**

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 may be a useful marker of cell proliferation during monitoring of tumor progression.

#### **IPO-38 (Proliferation Marker) Antibody - With BSA and Azide - References**

Sidorenko SP et al. Monoclonal antibodies of the IPO series in studying and diagnosing malignant lympho-proliferative diseases. *Gematol Transfuziol* 1990, 35(4):19-22. Mikhilap 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. Mathews MB et al. Identity of the proliferating cell nuclear antigen and cyclin. *Nature* 1984, 309:374-376