

## Product datasheet

### anti-Proliferation Marker mouse monoclonal, IPO-38, purified

#### Short overview

<b>Cat. No.</b>	691701
<b>Quantity</b>	1 ml (100 µg/ml)
<b>Concentration</b>	100 µg/ml

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgM kappa
<b>Clone</b>	IPO-38
<b>Immunogen</b>	Spleen cells of a patient with hairy cell leukemia
<b>Formulation</b>	PBS with 0.02% sodium azide
<b>UniprotID</b>	P46013 (Human), E9PVX6 (Mouse), Q5RJM0 (Rat)
<b>Synonym</b>	Proliferation marker protein Ki-67, Antigen identified by monoclonal antibody Ki-67, Antigen KI-67, Antigen Ki67, MKI67
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage</b>	2-8°C
<b>Intended use</b>	Research use only
<b>Application</b>	ELISA, IHC, IP, WB
<b>Reactivity</b>	Human, Mouse, Rat

#### Applications

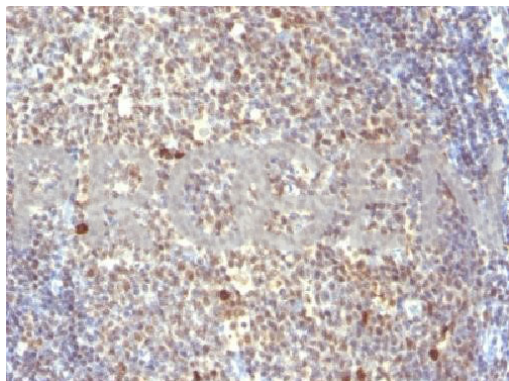
<b>ELISA</b>	Assay dependent
<b>Immunohistochemistry (IHC) - frozen</b>	1:50-1:100 (1-2 µg/ml)
<b>Immunohistochemistry (IHC) - paraffin</b>	1:50-1:100 (1-2 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)
<b>Immunoprecipitation (IP)</b>	Assay dependent
<b>Western Blot (WB)</b>	1:50-1:100 (1-2 µg/ml)

#### Background

IPO-38 reacts with a 12-14 kDa protein, as found in Western blots of Raji cells, and appears in the mitotic cycle earlier than Ki-67. Lymphocytes, induced to early G1 phase by 12h exposure to PHA, will become positive while non-stimulated lymphocytes remain negative. Mononuclear cells and granulocytes of healthy donors are negative, while various forms of leukemia and lymphoma including Hodgkins disease are positive for IPO-38, as are many solid tumors such as some breast, gastric and colonic cancers for which it may serve as tumor progression marker.

Positive control: Raji cells.

## Product images



Human tonsil