

## Product datasheet

### anti-Lymphocytic Marker mouse monoclonal, IPO-74, purified

#### Short overview

<b>Cat. No.</b>	691702
<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>	IgG1 kappa
<b>Clone</b>	IPO-74
<b>Immunogen</b>	Human cell line HL-60
<b>Formulation</b>	PBS with 0.02% sodium azide
<b>UniprotID</b>	P09326 (Human)
<b>Synonym</b>	CD48 antigen, B-lymphocyte activation marker BLAST-1, BCM1 surface antigen, Leukocyte antigen MEM-102, SLAM family member 2, SLAMF2, Signaling lymphocytic activation molecule 2, TCT.1, CD antigen CD48, CD48, BCM1, BLAST1
<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>	FACS, IHC, IP, WB
<b>Reactivity</b>	Human

#### Applications

<b>Flow Cytometry (FACS)</b>	0.5-1.0 µg/million cells in 0.1 ml
<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-74 reacts with human leukemia cell line HL-60 and shows a band at MW 127 kDa (reduced) both in immunoprecipitation and Western blotting. In peripheral blood only subsets of B cells, T cells, neutrophilic and eosinophilic granulocytes are positive. All monocytes are positive. Cell lines U937 and K562 are positive, while Daudy, Raji, Jurkat and Molt-4 are negative, as are IL2-dependent T cell lines/clones.

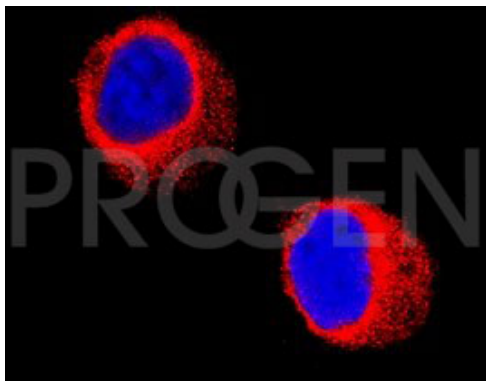
Positive control: HL-60, human PBL, tonsil.

PROGEN Biotechnik GmbH | Maaßstraße 30 | D-69123 Heidelberg

Tel.: +49 (0) 6221 8278-0 | Fax: +49 (0) 6221 8278-24 | Email: [info@progen.com](mailto:info@progen.com) | Web: [www.progen.com](http://www.progen.com)

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## Product images



Promyelocytic leukemia HL-60 cells