

Product datasheet for **AM32069PU-N**

HL60 Mouse Monoclonal Antibody [Clone ID: IPO-M6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	IPO-M6
Applications:	IHC
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	IPO-M6 was generated after immunization of a BALB/c Mouse with Human Cell line HL-60. Mouse splenocytes were fused with the mouse myeloma cell line P3-X63-Ag8.653.
Specificity:	<p>Reacts with Human leukemia cell line HL60 and immuno-precipitates with two proteins with MW of 48 and 52 kDa. <i>IPO-M6</i> does not stain B cell lines Daudy, PHS, Namalwa, RPMI-1788 and T-cell lines CCRF-HSB2, Jurkat and Molt-4.</p> <p>This antibody can be applied for staining of monocytes and up to 10 % of lymphocytes from peripheral blood of healthy donors. Blast cells of patients with AMMonL (M5 following FAB classification), AMMonL (M4) and hairy cells leukemia were IPO-M6 positive. The antigen, defined with this mAb, is particularly expressed on blood cells from patients with infectious mononucleosis and CLL. Histiocytes and macrophages were also positive. Malignant cells from patients with AML (M1 and M2), T-ALL, B-ALL were IPO-M6 negative.</p>
Formulation:	<p>PBS</p> <p>State: Purified</p> <p>State: Liquid purified IgG fraction</p> <p>Preservative: 0.05% Sodium Azide</p>
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: 6 month from despatch.



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Background:

HL-60 cells are used as an in vitro model of acute promyelocytic leukaemia and for differentiation and apoptosis studies. The HL60 cell line was established in 1977 from a patient with acute myeloid leukaemia. The cells largely resemble promyelocytes but can be induced to differentiate terminally in vitro. Some reagents cause HL60 cells to differentiate to granulocyte-like cells, others to monocyte/macrophage-like cells. The HL60 cell genome contains an amplified c-myc proto-oncogene; c-myc mRNA levels are correspondingly high in undifferentiated cells but decline rapidly following induction of differentiation.

Synonyms:

Human Leukemia cell line HL-60