

Anti-HL60 antibody [IPO-M6] ab24093

Overview

Product name	Anti-HL60 antibody [IPO-M6]
Description	Mouse monoclonal [IPO-M6] to HL60
Host species	Mouse
Specificity	Reacts with human leukemia cell line HL60 and immuno-precipitates with two proteins with MW of 48 and 52 kDa. ab24093 does not stain B cell lines Daudy, PHS, Namalwa, RPMI-1788 and T-cell lines CCRF-HSB2, Jurkat and Molt-4.
Tested applications	Suitable for: IHC-Fr, IP, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human HL60.
Positive control	human leukemia cell line HL60
General notes	

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 ab24093 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 ab24093 negative.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.3 Preservative: 0.05% Sodium azide

	Constituent: PBS
Purity	Protein G purified
Primary antibody notes	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 ab24093 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 ab24093 negative.
Clonality	Monoclonal
Clone number	IPO-M6
Myeloma	P3x63-Ag8.653
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab24093 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration.

Target

Relevance 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.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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