Human Leukemia Antigen (HL-60) / PADI4 (Monocyte Marker) Antibody

Mouse Monoclonal Antibody [Clone IPO-M6]

Catalog No	Format	Size
23569-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
23569-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
23569-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

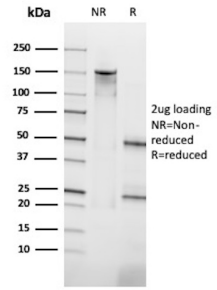
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	

Product Details

Clone	IPO-M6
Gene Name	PADI4
Immunogen	Leukemia HL-60 cells
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	48kDa | 52kDa
Cellular Localization	Cytoplasm
Species Reactivity	Human
Positive Control	Monocytes in tonsil or spleen.

**Optimal dilution for a specific application should be determined.*

Product Images for Human Leukemia Antigen (HL-60) / PADI4 (Monocyte Marker) Antibody



SDS-PAGE Analysis of Purified HL-60 Mouse Monoclonal Antibody (IPO-M6).
Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

This antibody reacts with human leukemia cell line HL-60 and immunoprecipitates two proteins with MW of 48 kDa and 52 kDa. It does not stain B-cell lines Daudi, PHS, Namalwa, RPMI-1788 and T-cell lines CCRF-HSB2, Jurkat and Molt-4. This antibody stains 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 are positive. Its antigen is particularly expressed on blood cells from patients with infectious mononucleosis and CLL. Histiocytes and macrophages are also positive. Malignant cells from patients with AML (M1 and M2), T-ALL, B-ALL are not stained. HL-60 cells are used as an in vitro model of acute promyelocytic leukemia and for differentiation and apoptosis studies. The HL60 cell line was established in 1977 from a patient with acute myeloid leukemia. 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.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Immuno Oncology, Immunology

Limitations and Warranty