

Datasheet



Mouse mAb to **Monocyte Antigen**
Clone **IPO-M6**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with human cell line HL-60.
Fusion partner: P3-X63-Ag8.653.

Specifications

IPO-M6 reacts with human leukemia cell line HL-60 and immuno-precipitates two proteins with MW of 48 and 52 kDa. IPO-M6 does not stain B cell lines Daudy, PHS, Namalwa, RPMI-1788 and T-cell lines CCRF-HSB2, Jurkat and Molt-4.

Species reactivity

Positive: human.

Applications

IPO-M6 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 are IPO-M6 positive. The antigen, defined by IPO-M6, 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 IPO-M6 negative.



Figure 1:
IPO-M6 culture supernatant tested with IgG1 isostrip

Flow cytometry	Frozen sections	Immunoprecipitation
+	+	+

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02 % sodium azide.

Stored at 4°C- 8°C, shelf life is at least 24 months after purchase.

Dilution advice

- Flow cytometry (0.5-1.0 µg/million cells in 0.1 ml).
- Immunohistology (1-2 µg/ml for 30 min at RT).
- Immunoprecipitation (1-2 µg/ million cells in 1ml anti mouse coated Sepharose-4B suspension).

Positive control

Lymphocytes from peripheral blood of healthy donors.

References

- This antibody has not been published.