

# Datasheet



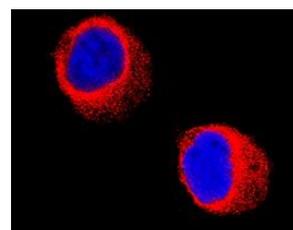
Mouse mAb to **Lymphocytic Marker**  
Clone **IPO-74**  
Isotype **IgG1-κ**

## Source

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

## Specifications

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.



**Figure 1:** Stained promyelocytic leukemia HL-60 cells (IF)

## Species reactivity

Positive: human.

## Applications

Classification of normal and malignant lymphocytes.

| Flow cytometry | Frozen sections | Immunoprecipitation | Paraffin sections | Western blotting |
|----------------|-----------------|---------------------|-------------------|------------------|
| +              | +               | +                   | +                 | +                |

## 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).
- Immunoblotting (1,0-2,0 µg/ml).
- Immunohistology (1-2 µg/ml for 30 min at RT; staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH6,0, for 10-20 min followed by cooling at RT for 20 minutes).
- Immunoprecipitation (1-2 µg per 100-500 µg of total cell lysate protein/1 ml of anti-mouse coated Sepharose-4B suspension).

## Positive control

HL-60, human PBL, tonsil.

## References

- Fleming MG, et al, J Cutan Pathol. 17(2): 77-81 (1990).