Datasheet

Mouse mAb to **CDw78 / MHC II DR**
Clone **IPO-10**
Isotype **IgG3-κ**

Source

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

Specifications

CDw78 (also called Ba antigen, Leu21 or LO panB a) is present on some immature and some mature B-cells. The antigen appears on B-cell progenitors preceding CD10, CD19, CD22 and CD37. It is expressed on resting B-cells and reappears and persists in the cytoplasm and on the cell surface until cytoplasmic Ig appears. Its expression is greatly increased after B-cell activation in vitro. It is also found on tissue macrophages and on epithelial cells, but not on T-cells, NK-cells, monocytes, granulocytes, thymocytes or bone marrow stromal fibroblasts nor myeloid tissues.

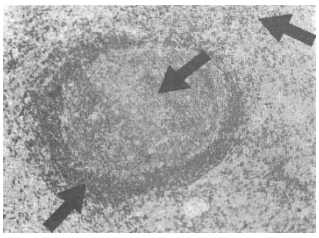

Figure 1: Human lymph node stained with IPO-10.

Species reactivity

Positive: human.

Applications

IPO-10 labels B-cell leukemias and some lymphomas. Hairy cell leukemia strongly reacts and 70% of B-cell CLL and some B-NHL were also positive. IPO-10 reacts with AMML cells and in a majority of Hodgkin's disease cases a significant percentage of affected lymph node cells were detected.

ELISA	Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections
+	+	+	+	Citrate

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

- ELISA (solid phase: 0,1-100 µg/ml; tracer: 0,001-100 µg/ml for 30 min at RT).
- Flow cytometry (0,5-1,0 µg/million cells in 0,1 ml).
- Immunofluorescence (0,5-1,0 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, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes).

Positive control

Daudi cells, Raji, Namalva, EB-3, RPMI-8226 (50% of cells), tonsil or lymph node.

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References

- Pinchouk V.G. et al, *Anticancer Res.* **8**: 1377-1380 (1988).
- Gluzman D.F. et al, *Tissue Antigens* **33**: 151 (1989).
- Sidorenko S.P. et al, *Neoplasma* **39**: 3-9 (1992).