

Datasheet



Mouse mAb to **CDw78 / MHC II DR**
Clone **60-3G2**
Isotype **IgG1-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. 60-3G2 was typed at CD workshop IV.

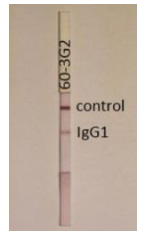


Figure 1:
Isostrip showing IgG1 isotype for 60-3G2.

Species reactivity

Positive: human.

Applications

60-3G2 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. 60-3G2 reacts with AML cells and in a majority of Hodgkin's disease cases a significant percentage of affected lymph node cells were detected.

Flow cytometry	Frozen sections	Immunofluorescence
+	+	+

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).
- Immunofluorescence (0,5-1,0 µg/ml).
- Immunohistology (1-2 µg/ml for 30-60 min at RT; no suitable antigen retrieval method for staining of formalin-fixed tissues is available to date).

Positive control

Daudi cells, Raji, Namalva, EB-3, RPM1-8226 (50% of cells), tonsil or lymph node.

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References

- Pinchouk VG. et al, *Anticancer Research* **8**: 1377-1380 (1988).
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- Sidorenko SP. et al, *Neoplasma* **39**: 3-9 (1992).
- Moldenhauer et al, *Leucocyte Typing IV*, pp 155 162, (1989).
- Pezzuto et al, *Leucocyte Typing IV*, pp 165 174, (1989).