

CD10, Common Acute Lymphoblastic Leukemia Antigen, CALLA, clone MEM-78 Monoclonal Antibody

Catalog No.: MON1103

Quantity: 1 ml

Specificity

The antibody reacts with the B-cell associated differentiation antigen CD10. This antigen is a neutral endopeptidase (100 kD glycoprotein) and known as the common acute lymphoblastic leukemia antigen (CALLA) or cALL associated Antigen.

Immunoglobulin type

murine IgG₁

Use

The antibody is useful for identification of leukemia cells of cALL type. Furthermore it reacts with pre-B-cells, without cross reactivity with peripheral B-cells. The antigen is also present on granulocytes.

Instructions for use

This antibody is useful for immunofluorescence, microscopy as well as microcytofluorometry, and for immunohistology of frozen sections. For immunofluorescence cells can be fixed with formaldehyde or glutaraldehyde, however the antibody does not react with paraffin embedded tissue. Depending on the technique to be used, a working dilution has to be tested beforehand; a dilution of about 1:10 is advised.

Presentation

1 ml diluted purified ascites in PBS with 0.1% sodium azide. Sufficient for staining of 100 frozen tissue sections. Purification method: ammonium sulphate precipitation.

Literature

- Horejsí, V., et al., 1988, *Fol. Biol.* 34, 23.
- Leucocyte Typing IV, ed. W. Knapp et al., Oxford Univ. Press, Oxford 1989; Workshop nr B506.

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