

MONOCLONAL ANTIBODY CD77

Cat. No.	Form	Quantity	Presentation
0175	Supernatant	100 tests	Liquid 2 ml

Clone 38-13

Isotype IgM (rat)

Immunogen Daudi cell line (Burkitt's lymphoma)

Hybridoma Myeloma SP2/0-Ag 14 X Lewis rat spleen cells

Specificity Studies have shown that CD77 antibody is specific for Burkitt's lymphoma associated antigen (BLA), which is a neutral glycosphingolipid of the globoseries: globotriaosylceramide Gb3.

Reacts with red blood cells of phenotype p^{K1} or p^{K2}, activated B cells in agglutination assay at 4°C and the radioactive Coombs test.

Does not react with P or P2 red cells; slightly agglutinates P1 red cells after papain treatment (anti-p^K activity).

Applications Studies have shown that anti-CD77 is useful in the identification of Burkitt's lymphoma.

Typing of the blood group system p^{K1} and p^{K2}.

Study of the structure and distribution of CTH glycolipid in normal lymphocytic cells.

Buffer RPMI 1640 FCS containing 0.1% NaN₃.

Storage The liquid form should be stored at 2 - 8°C.

Recommended Procedures Immunofluorescence and flow cytometry:
20 µl for 5x10⁵ cells.

Immunohistochemistry:

Ready-to-use.

This antibody is suitable on frozen sections.

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FOR RESEARCH USE ONLY - NOT FOR USE IN DIAGNOSTIC PROCEDURES



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References

- 1) Wiels, J., Fellous, M. & Tursz, T., 1981, Proc. Nat. Acad. Sci. USA, **78**, 6485-6488.
- 2) Nudelman, E., Kannagi, R., Hakomori, S., Parsous, M., Lipinski, M., Wiels, J., Fellous, M. & Tursz, T., 1983, Science, **220**, 508-511.
- 3) Fellous, M., Cartron, J.P., Wiels, J. & Tursz, T., 1984, Blood.
- 4) This antibody was studied at the Human Leucocyte Typing Workshop IV, Vienna, 1989.