



Sanquin

PeliCluster

CD19

Specification sheet

Art.no M1345

Test/vial 200

Clone CLB-B4/1, 11G1

This clone has been derived from hybridization of SP2/O cells with spleen cells of a BALB/c mouse immunized with spleen cells of a patient suffering from Hairy Cell Leukaemia. The antibody was submitted to CD19 in the Fourth International Workshop on Human Leukocyte Differentiation Antigens.

Isotype Mouse, IgG1.

Source Culture supernatant.

Purification Ion exchange chromatography.

Packing Each vial contains 1 ml with approximately 0.2 mg/ml monoclonal antibody and 10 mg BSA in 20 mM TRIS and 150 mM NaCl, pH 8.0.

Preservative Merthiolate (0.001%).

Storage and stability Monoclonal antibodies should be stored at 2-8°C. The reagent is stable until the expiry date stated on the vial label.

Major reactivity The monoclonal antibodies are directed against the CD19 antigen (B4 antigen, Bgp 95), which is expressed on human B lymphocytes and precursor B cells (molecular mass is 95 kDa). The monoclonal antibody is B lineage-specific and reacts with early B cell precursors, pre-pre-B cells, pre-B cells, B cells, intermediate B cells, mature B cells and some plasmacytoid cells. Plasma cells are negative. It also reacts with pre-B cell lines, B lymphoblastoid cell lines and Burkitt cell lines. Virtually all non T-ALL, B-CLL and B cell lymphomas are positive, myeloma cells are negative. The antibodies CD19 do not react with other haemopoietic cells.

Molecular mass 95 kDa.

Applications Enumeration of B lymphocytes and their precursors in peripheral blood.

Methods Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy.

References
1. Rie, M.A. de et al., J. of Immunol. Methods, 102, 187 (1987).
2. Rie, M.A. de Leukaemia Research, 12, 135 (1988).