



Sanquin

PeliCluster

CD10

Specification sheet

Art.no	M1337
Test/vial	200
Clone	CLB-CALLA/1, 4F9 This clone has been derived from hybridization of SP2/O cells with spleen cells of a (BALB/c x A/J) mouse immunized with cells of a patient with Acute Lymphocytic Leukaemia of the c-ALL type. This antibody was submitted to CD10 in the third International Workshop on Human Leukocyte Differentiation Antigens.
Isotype	Mouse, IgG2a.
Source	Ascites fluid of tumour bearing BALB/c mice.
Purification	Ammoniumsulphate precipitation and 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	Sodium azide (NaN ₃), 0,1% (w/v).
Storage and stability	Monoclonal antibodies should be stored in the dark at 2-8°C. The reagent is stable until the expiry date stated on the vial label.
Major reactivity	The monoclonal antibody is directed against the CD10 antigen (CALLA antigen), which is expressed on subset of precursor B cells, subset of B cells (follicular center cells), subset of cortical thymocytes and granulocytes. The antibody reacts with early B lymphocytes (stem cell, pre B) and with the stem cell of the lymphocyte lineage and immature thymocytes. Lymphoblasts of a patient with an Acute Lymphocytic Leukaemia of the c-ALL type were found to be positive. Normal B and T lymphocytes, monocytes and platelets were found to be negative (1).
Molecular mass	100 kDa.
Application	Study of non-T (common) Acute Lymphoblastic Leukaemias. Study of early stages of haemopoietic differentiation.
Methods	Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy. (see AZ_CDO.pdf)
References	1. Reinherz, E.L., Haynes, B.F., Nadler, L.M., Bernstein, I.D., Leukocyte Typing II, Springer Verlag, <u>2</u> , New York (1985).