



Sanquin

PeliCluster

CD38

Specification sheet

Art.no	M1642
Test/vial	200
Clone	CLB-1D5
	This clone has been derived from hybridization of SP2/0 cells with spleen cells of a (BALB/c x AJ) mouse immunized with human thymocytes. This antibody meets the specification for CD38 of the International Workshop on Human Leukocyte Differentiation Antigens.
Isotype	Mouse IgM.
Source	Mouse ascites fluid.
Purification	Ammoniumsulphate precipitation followed by ionexchange chromatography and affinity 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	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 CD38 antigen (T10, gp45), which is strongly expressed on plasma cells. The antigen is also expressed on activated T cells, terminally differentiated B cells, early B cells, monocytes, multiple myelomas, most cases of ALL (both T and B lineage), and some AML. The CD38 antigen is a single-chain Type II transmembrane protein.
Molecular mass	45kDa.
Application	Study of plasma cells and of leukaemia and lymphomas.
Methods	Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy. (see AZ_CDO.pdf)