



Sanquin

PeliCluster

CD34

Specification sheet

Art.no	M1636
Test/vial	200
Clone	CLB-MD34.2
	This clone has been derived from hybridization of SP2/O cells with spleen cells of a CAF-1 mouse immunized with KG1A cells. The antibody was submitted to CD34 in the Fifth International Workshop on Human Leukocyte Differentiation Antigens.
Isotype	Mouse IgG1.
Source	Ascites fluid of tumour bearing BALB/c mice.
Purification	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	Merthiolate (0.001 %).
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 CD34 antigen, which is expressed on human progenitor cells, including myeloid and lymphoid progenitors. The monoclonal antibody does not react with normal human peripheral granulocytes, monocytes, B cells, T cells, platelets and erythrocytes. In immunohistology the monoclonal antibody reacts with endothelial cells. The expression of the CD34 antigen on cells of patients with Acute Myeloid Leukaemia (AML) is correlated with a severe prognosis.
Molecular mass	115 kDa.
Application	Studies of haemopoietic precursor cells and leukaemia.
Methods	Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy. (see AZ_CDO.pdf)