



Sanquin

PeliCluster

CD13

Specification sheet

Art.no	M1387
Test/vial	200
Clone	CLB-mon-gran/2, Q20
	<p>This clone has been derived from hybridization of SP2/O cells with spleen cells of a BALB/c mouse immunized with human myeloblasts of a chronic myeloïd leukaemia patient in blast crisis. The antibody was submitted to CD13 in the Third, Fourth and Fifth International Workshop on Human Leukocyte Differentiation Antigens.</p>
Isotype	Mouse, IgG2a.
Source	Ascites fluid of tumor 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 CD13 (aminopeptidase N), which is expressed on almost all myeloid cells, dendritic cells in skin and endothelial cells (molecular mass 150 kDa). The monoclonal antibody reacts with monocytes, granulocytes and with a large number of acute myeloid leukaemia.
Molecular mass	150 kDa.
Application	Enumeration of granulocytes, monocytes and their precursors in peripheral blood. Identification of granulocytes, monocytes and their precursors in lymphoid tissue. Study of subtypes of leukaemia and lymphomas. Research of calcium influx with monocytes.
Methods	Indirect immunofluorescence staining with analysis by flowcytometry or fluorescence microscopy. (see AZ_CDO.pdf)