



Sanquin

# PeliCluster

## CD9

### Specification sheet

<b>Art.no</b>	M1362
<b>Test/vial</b>	200
<b>Clone</b>	CLB-thromb/8, 4E1
	This clone has been derived from hybridization of SP2/O cells with spleen cells of a BALB/c mouse immunized with human B cell precursors (cALL <sup>+</sup> - ALL). This antibody was submitted to CD9 in the third and fourth International Workshop on Human Leukocyte Differentiation Antigens.
<b>Isotype</b>	Mouse, IgG2a.
<b>Source</b>	Culture supernatant.
<b>Purification</b>	Ammoniumsulphate precipitation and ion exchange chromatography.
<b>Packing</b>	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.
<b>Preservative</b>	Merthiolate (0.001%).
<b>Storage and stability</b>	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.
<b>Major reactivity</b>	The monoclonal antibody is directed against the CD9 antigen (BA-2 antigen), which is expressed on platelets, subset of B cells (follicular center cells), subset of precursor B cells, monocytes, megakaryocytes, eosinophils, basophils and endothelial cells. The monoclonal antibody reacts with early B cell precursors, pre-pre-B cells, pre-B cells, platelets and a subpopulation of monocytes.
<b>Molecular mass</b>	24 kDa.
<b>Application</b>	Study of ALL and in some cases AML. Functional studies on platelets.
<b>Methods</b>	Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy. (see AZ_CDO.pdf)
<b>References</b>	1. Reinherz, E.L., Haynes, B.F., Nadler, L.M., Bernstein, I.D., Leukocyte Typing II, Springer Verlag, New York, <u>2</u> (1985).