



Sanquin

PeliCluster

CD51

Specification sheet

Art.no	M1541
Test/vial	200
Clone	NKI-M9
	This clone has been derived from hybridization of SP2/O cells with spleen cells of a BALB/c mouse immunized with human melanoma cells. The antibody was submitted to CD51 in the Fourth and Sixth International Workshop on Human Leukocyte Differentiation Antigens.
Isotype	Mouse IgG1.
Source	Ascites fluid of tumour bearing BALB/c mice.
Purification	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 CD51 antigen (VNR, integrin α v), which can form distinct complexes with: <ul style="list-style-type: none">- the CD61 antigen (gpIIIa or β3-chain) resulting in the α-β3 complex, which is expressed on human platelets;- the β5 integrin, resulting in the α-β5 complex, which is expressed on human monocytes and macrophages;- the β1 integrin, resulting in the α-β1 complex. It also reacts with megakaryocytes and some B cells (1).
Molecular mass	25, 125 kDa.
Application	Functional studies on cells.
Methods	Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy. (see AZ_CDO.pdf)
References	1. Vries, J.E. de et al., Int. J. Cancer, <u>38</u> , 465 (1986).