



Sanquin

# PeliCluster CD28

## Specification sheet

<b>Art.no</b>	M2241
<b>Test/vial</b>	200
<b>Clone</b>	KOLT-2.
	The antibody was submitted to CD28 in the Third International Workshop on Human Leukocyte Differentiation Antigens.
<b>Isotype</b>	Mouse IgG1.
<b>Source</b>	Culture supernatant.
<b>Purification</b>	Protein A affinity chromatography
<b>Packing</b>	Each vial contains 1 ml with approximately 0.2 mg/ml monoclonal antibody in 20 mM TRIS, 150 mM NaCl, pH 8.0 and 10 mg BSA.
<b>Preservative</b>	NaN <sub>3</sub> 0.1% (w/v).
<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 CD28 antigen, which is weakly expressed on human T cells in the resting period and strongly on human cytotoxic/suppressor T cells. The antibody also reacts with 30% of human thymocytes and adult T cell leukaemia. It does not react with normal human B lymphocytes, monocytes, granulocytes, platelets, erythrocytes, common acute lymphoblastic leukaemia cells or acute myelocytic leukaemia cells.
<b>Molecular mass</b>	44 kDa.
<b>Application</b>	Identification of activated T cells. Analysis of T cell activation mechanism.
<b>Methods</b>	Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy.