



Sanquin

# PeliCluster

## CD25

### Specification sheet

<b>Art.no</b>	M1335
<b>Test/vial</b>	200
<b>Clone</b>	CLB-IL2R, TB-30
	This clone has been derived from hybridization of SP2/O cells with spleen cells of a BALB/c mouse immunized with PHA stimulated T lymphocytes. The antibody was submitted to CD25 in the Fifth International Workshop on Human Leukocyte Differentiation Antigens.
<b>Isotype</b>	Mouse, IgG2b.
<b>Source</b>	Ascites fluid of tumour bearing BALB/c mice.
<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>	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 CD25 antigen, Tac, Interleukin-2 receptor, which is expressed on activated T and B cells and activated macrophages. It reacts with hairy cell leukaemia. It binds selectively to activated human lymphoblasts. Resting human blood cells were found to be negative. The antibody is able to inhibit IL-2 driven T cell proliferation (1-5).
<b>Molecular mass</b>	58 kDa.
<b>Application</b>	Research on T and B cell activation. Detection of cells infected with human T cell leukaemia viruses I and II. Studies of ligand receptor interactions.
<b>Methods</b>	Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy. (see AZ_CDO.pdf)
<b>References</b>	<ol style="list-style-type: none"><li>1 Lier, R.A.W. van, et al., J. Immunology, <u>139</u>, 2837 (1987).</li><li>2 Lier, R.A.W. van, et al., Eur. J. Immunology, <u>18</u>, 167 (1988).</li><li>3 Lier, R.A.W. van, et al.; J. Immunology, <u>139</u>, 1589 (1987).</li><li>4 Dongen, J.J.M. van, et al.; Neth. J. of Med., <u>33</u>, 298 (1988).</li><li>5 Lier, R.A.W. van, et al., J. Immunology, <u>68</u>, 45 (1987).</li></ol>