



Sanquin

# PeliCluster

## CD7

### Specification sheet

<b>Art.no</b>	M1339
<b>Test/vial</b>	200
<b>Clone</b>	CLB-T-3A1/1, 7F3
	This clone has been derived from hybridization of SP2/0 cells with spleen cells of a CAF-I mouse immunized with human T lymphocytes. This antibody was submitted to CD7 in the third 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>	Sodium azide (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 CD7 antigen (3A1 antigen), which is expressed on almost all T cells, NK cells, subsets of immature myeloid cells and some AML. It reacts with the cells of the T lymphocyte lineage, with the cells of patients with a Lymphocytic Leukaemia of the T lymphocyte origin, and with the cells of patients with the Sezary Syndrome. Platelets and cells of the B lymphocyte myelocytic and monocytic lineage are found negative.
<b>Molecular mass</b>	41 kDa.
<b>Application</b>	Analysis of T cell numbers in peripheral blood. Identification of T cells in tissue.
<b>Methods</b>	Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy. (See AZ-CDO.pdf)