



Sanquin

PeliCluster

CD2

Specification sheet

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| Art.no | M1314 |
| Test/vial | 200 |
| Clone | CLB-T11/1, 6G4 |
| | This clone has been derived from hybridization of SP2/O cells with spleen cells of a (BALB/c x A/J) mouse immunized with cells of a patient with the Sezary Syndrome. This antibody has been clustered to CD2 in the Third and Fourth International Workshop on Human Leukocyte Differentiation Antigens. |
| Isotype | Mouse, IgG1. |
| Source | Culture supernatant. |
| Purification | Ammoniumsulphate precipitation and 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 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 CD2 antigen (T11 antigen), which is expressed on human T lymphocytes and most NK cells. The monoclonal antibody reacts with all human peripheral T lymphocytes and 90% of the thymocytes. The monoclonal antibody blocks the rosette formation of human T lymphocytes with sheep erythrocytes. |
| Molecular mass | 50 kDa. |
| Application | Study of T cell numbers in peripheral blood. Analysis of NK cell subset and analysis of T cells in tissue. |
| Methods | Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy. (see AZ_CDO.pdf) |