PeliCluster CD28

Specification sheet

Art.no	M1456
Test/vial	200
Clone	CLB-CD28/1, 15E8 This clone has been derived from hybridization of SP2/0 cells with spleen cells of a BALB/c mouse immunized with human T lymphocytes. The antibody was submitted to CD28 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 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 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 (1-3).
Molecular mass	44 kDa.
Application	To study the role of CD28 in T cell proliferation (1-3).
Methods	Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy.
References	1. Lier, R.A.W. van, et al., Knapp, W. (editor), Leucocyte Typing IV, Oxford University Press, chapter 2, 353 (1989). 2. Lier, R.A.W. van, et al., McMichael, A.J. (editor), Leucocyte Typing III, Oxford University Press, chapter 6, 170 (1987). 3. Lier, R.A.W. van, et al., Eur. J. Immunol., 18, 167 (1988).

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