PeliCluster CD16

Specification sheet

Art.no	M1389
Test/vial	200
Clone	CLB-FcR-gran/1, 5D2 This clone has been derived from hybridization of SP2/0 cells with spleen cells of a BALB/c mouse immunized with human granulocytes. This clone was submitted to CD16 in the Fifth International Workshop on Human Leukocyte Differentiation Antigens.
Isotype	Mouse IgG2a.
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	Merthiolate (0.001%).
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 CD16 antigen (the Fc gamma Receptor III), which is expressed on neutrophil granulocytes, monocytes (weak), macrophages (weak) and NK cells. It is absent in patients with PNH. The mobility of the CD16 antigen is dependent on the NA_1 /NA_2 allotype of the neutrophil donor. The monoclonal antibody inhibits the binding of human IgG to the Fc gamma Receptor III (1-5).
Molecular mass	45-72 kDa.
Application	Enumeration of K cell and NK cell numbers in peripheral blood and lymphoid tissue.
Methods	Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy. (see AZ_CDO.pdf)
References	1. Miedema F. et al., Eur.J. Immunol., 14, 518 (1984). 2. Tetteroo P.A.T. et al., Reinherz E.L. (editor) et al., Leucocyte typing II, Springer-Verlag, New York, 3, 109 (1986). 3. Werner G. et al., Reinherz E.L. (editor) et al., Leucocyte typing II, Springer-Verlag, New York, 3, 109 (1986). 4. Tetteroo P.A.T. et al., Michael Mc A.J. (editor) et al., Leucocyte typing III, Oxford University Press, Oxford, 702 (1987). 5. Huizinga T.W.J., Nature, 333, 667 (1988).

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