PeliCluster ANCA

Art.no	M1574
Test/vial	200
Clone	CLB-12.8 This clone has been derived from hybridisation of SP2/0 cells with spleen cells of a BALB/c mouse immunised with extract from neutrophil azurophilic granules. This antibody meets the specification for ANCA of the International Workshop on Human Leukocyte Differentiation Antigens.
Isotype	Mouse IgG1.
Source	Ascites fluid of tumour bearing BALB/c mice.
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 reacts with the human myeloid lysosomal serine protease, also known as '29kD c-ANCA-antigen', but not with other serine proteases such as elastase and cathepsin G (1). The monoclonal reacts with human cells of the myeloid lineage, from early promyelocytes to neutrophils and monocytes. The monoclonal antibody does react with neutrophils and monocytes from chimpanzees, but not with cells from macacus fascicularis and other species less closely related to man (1-4).
Molecular mass	29 kDa.
Application	Antigen catching ELISA for specific detection of human 29kD-ANCA (c-ANCA) (1).
Methods	Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy.

References

1. Goldschmeding, R. et al., Wegener's granulomatosis autoantibodies identify a novel DFP-binding protein of Mr 29,000 in the lysosomes of normal human neutrophils, J. Clin. Invest., 84, 1577-1587 (1989).
2. Slaper-Cortenbach, I. et al., The Flowcytometric detection of Terminal desoxynucleotidyl Transferase (TdT) and other intracellular antigens in combination with membrane antigens in Acute Lymphatic Leukaemia, Blood, 72, 1639-1644 (1988).
3. Fokkers, W. et al., HLA-Dr-expressing cells, presumably Langerhans cells, in nasal mucosa, Allergy, 44, 167-172 (1989).
4. Calafat, J. et al., In situ localisation by double-labelling immuno-electron-microscopy of anti-neutrophil cytoplasmatic autoantibodies in neutrophils and monocytes, Blood, 75, 242-250 (1990).

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