

PeliCluster

CD42b

Art.no M1539

Test/vial 200

Clone CLB-MB45

This clone has been derived from hybridization of SP2/0 cells with spleen cells of a BALB/c mouse immunised with human platelets. The antibody was submitted to CD42b in the Sixth 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 NaN₃ 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 CD42b antigen (GPIIb-alpha), which is expressed on megakaryocytes and platelets. It is absent or reduced in patients with Bernard-Soulier syndrome.

Molecular mass 25, 135 kDa.

Application The monoclonal antibody is a useful for studies of megakaryoblasts and megakaryoblastic leukaemia.

Methods Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy.