



Sanquin

# PeliCluster

## CD18

### Specification sheet

**Art.no** M1344

**Test/vial** 200

**Clone** CLB-LFA-1/1, 54

This clone has been derived from hybridization of SP2/O cells with spleen cells of a (B10 x DBA/2)F1 mouse immunized with patient cells (3). The antibody was submitted to CD18 in the Second, Third, Fourth and Fifth International Workshop on Human Leukocyte Differentiation Antigens.

**Isotype** Mouse, IgG1.

**Source** Ascites fluid.

**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 CD18 antigen (Lymphocyte Function-associated Antigen-1, integrin  $\beta$ 2 chain), which is expressed on mature immunocompetent lymphocytes and their neoplastic counterparts, granulocytes and monocytes. It is absent in patients with LAD-1 (1-3).

**Molecular mass** 95 kDa (1).

**Application** The monoclonal antibody can be used for studying LFA-1/MO1 deficiency in patients suffering from recurrent bacterial infections.

**Methods** Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy. (see AZ\_CDO.pdf)

**References**

1. Miedema, F. et al., J. Immunol., 134, 3075 (1985).
2. Miedema, F. et al., Leukaemia Res., 9, 1099 (1985).
3. Miedema, F. et al., Eur. J. Immunol., 14, 518 (1984).