



Sanquin

PeliCluster

CD11a

Specification sheet

Art.no	M1385
Test/vial	200
Clone	CLB-LFA-1/2, TB-133
	This clone has been derived from hybridization of SP2/0 cells with spleen cells of a BALB/c mouse immunized with activated T cells. This antibody was submitted to CD11a in the third International Workshop on Human Leukocyte Differentiation Antigens.
Isotype	Mouse, IgG2a.
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 is directed against the CD11a antigen, located on the alpha-L chain of LFA-1 complex (Lymphocyte Function associated Antigen-1), which is expressed on mature immunocompetent lymphocytes and their neoplastic counterparts, granulocytes and monocytes. The monoclonal antibody does not react with human thrombocytes.
Molecular mass	170 kDa.
Application	The monoclonal antibody can be used to study LFA-1 deficiency in patients suffering from recurrent bacterial infections.
Methods	Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy.