



Sanquin

PeliCluster

CD14

Specification sheet

Art.no	M1388
Test/vial	200
Clone	CLB-mon/1, 8G3
	This clone has been derived from hybridization of SP2/O cells with spleen cells of a BALB/c mouse immunized with human monocytes. The antibody was submitted to CD14 in the Third and Fourth 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 CD14 antigen (LPS/LBP receptor, gp55), which is expressed on human monocytic cells, macrophages, granulocytes. It is absent in PNH patients. The monoclonal antibodies react with human monocytes and macrophages; weak reactions may occur with neutrophils.
Molecular mass	55 kDa.
Application	Enumeration of monocytes and macrophages in peripheral blood. Identification of monocytes and macrophages in lymphoid tissues. This monoclonal antibody can be used for studies of monocytic and myelomonocytic acute myeloid leukaemia.
Methods	Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy. (see AZ_CDO.pdf)