



# PeliCluster

## CD40

### Specification

<b>Art.no</b>	M1691
<b>Test/vial</b>	200
<b>Clone</b>	CLB-14G7
	This clone has been derived from hybridization of SP2/O cells with spleen cells of a BALB/c mouse immunized with COS cells transfected with human CD40 cDNA. The antibody was submitted to CD40 in the Fifth and Sixth International Workshop on Human Leukocyte Differentiation Antigens.
<b>Isotype</b>	Mouse IgM.
<b>Source</b>	Culture supernatant.
<b>Purification</b>	Ammoniumsulphate precipitation and gel filtration.
<b>Packing</b>	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.
<b>Preservative</b>	Sodium Azide (0.1%).
<b>Storage and stability</b>	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.
<b>Major reactivity</b>	The monoclonal antibody is directed against the CD40 antigen (BB20), which is expressed on mature B cells and monocytes (weak), but absent on plasmacells. The monoclonal antibody also reacts with some epithelial cells, carcinomas and follicular dendritic cells. The monoclonal antibody is strongly co-mitogenic with BCR-cross-linking agents (1).
<b>Molecular mass</b>	50 kDa.
<b>Application</b>	Studies of mature B cells in peripheral blood and secondary lymphoid organs. Analysis of B cell function.
<b>Methods</b>	Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy.
<b>References</b>	1 Hintzen, R. et al. J. Immunol. <u>152</u> , 1762 (1994).