

### 36-1897: Monoclonal Antibody to CD22 / BL-CAM(Clone : FR10B4)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	FR10B4
<b>Application :</b>	Functional Assay,FACS,IF
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD22
<b>Gene ID :</b>	933
<b>Uniprot ID :</b>	P20273
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CD22,SIGLEC2
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Human Burkitt's Lymphoma cells

#### Description

Recognizes a protein of 130-140kDa, identified as CD22 (also known as BL-CAM). CD22 expression is restricted to normal and neoplastic B cells and is absent from other haemopoietic cell types. In B-cell ontogeny, CD22 is first expressed in the cytoplasm of pro-B and pre-B cells, and on the surface as B cells mature to become IgD+. It is not expressed by plasma cells, CD22 is found highly expressed in follicular mantle and marginal zone B-cells, and while germinal center B-cells are relatively weak. CD22 is a member of the immunoglobulin superfamily and serves as an adhesion receptor for sialic acid-bearing ligands expressed on erythrocytes and all leukocyte classes. It also associates with tyrosine kinases and play a role in signal transduction and B-cell activation.

#### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

#### Application Note

Functional Studies (Order Ab without Azide); Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);