

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

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|--------------------------------|--------------------------------|
| <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);