

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

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| Clonality : | Monoclonal |
| Clone Name : | FR10B4 |
| Application : | Functional Assay,FACS,IF |
| Reactivity : | Human |
| Gene : | CD22 |
| Gene ID : | 933 |
| Uniprot ID : | P20273 |
| Format : | Purified |
| Alternative Name : | CD22,SIGLEC2 |
| Isotype : | Mouse IgG1, kappa |
| Immunogen Information : | 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

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| Amount : | 100 µg |
| Purification : | Affinity Chromatography |
| Content : | 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic. |
| Storage condition : | 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);