

36-3548: Anti-CD22 / BL-CAM (B-Cell Marker) Monoclonal Antibody(Clone: RFB4)

Clonality :	Monoclonal
Clone Name :	RFB4
Application :	ELISA,FACS,IF
Reactivity :	Human
Gene :	CD22
Gene ID :	933
Uniprot ID :	P20273
Alternative Name :	B-lymphocyte cell adhesion molecule (BL-CAM); B-cell receptor CD22; CD22; Lectin 2; Lyb8; Sialic acid-binding Ig-like lectin 2 (Siglec-2); SIGLEC2; T-cell surface antigen Leu-14
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Human tonsil lymphocytes.

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

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

ELISA (For coating, order antibody without BSA); Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);

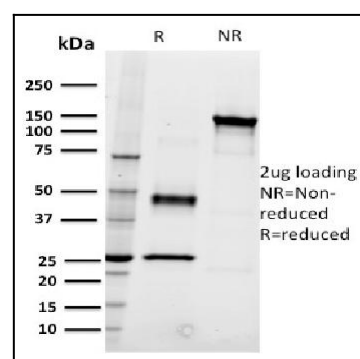


Fig. 1: SDS-PAGE Analysis Purified CD22 Mouse Monoclonal Antibody (RFB4). Confirmation of Integrity and Purity of Antibody.

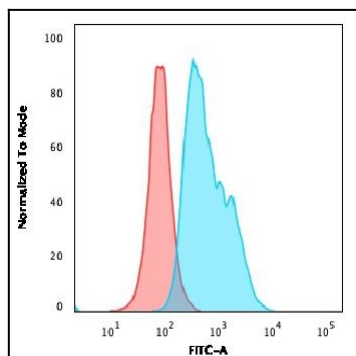


Fig. 2: Flow Cytometric Analysis of Ramos cells using CD22 Mouse Monoclonal Antibody (RFB4) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).