

For Research Use Only

CD22 Recombinant antibody

Catalog Number: 86128-2-RR



Basic Information

Catalog Number:	86128-2-RR	GenBank Accession Number:	NM_001043317.2	Purification Method:	Protein A purification
Concentration:	1000 µg/ml	GenID (NCBI):	12483	CloneNo.:	250078E8
Source:	Rabbit	UNIPROT ID:	P35329-1	Recommended Dilutions:	IF/ICC: 1:50-1:500
Isotype:	IgG	Full Name:	CD22 antigen		
Immunogen Catalog Number:	EG1324	Calculated MW:	97kDa		

Applications

Tested Applications:	Positive Controls:
IF/ICC, ELISA	IF/ICC : A20 cells,
Species Specificity:	

mouse

Background Information

CD22, also known as Sialic acid binding Ig-like lectin 2 or BL-CAM (B-lymphocyte cell adhesion molecule), is a 130-140 kDa, B-cell restricted, type I transmembrane glycoprotein belonging to the immunoglobulin gene superfamily. The expression of CD22 is developmentally regulated. It is expressed at low levels in the cytoplasm of pro-B and pre-B cells and present on the cell surface only at mature stages of B-cell differentiation. Cell surface expression is lost during terminal differentiation into plasma cell and after B-cell activation. CD22 is an inhibitory receptor for B-cell receptor (BCR) signalling, preferentially binds to alpha-2,6-linked sialic acid and mediates B-cell B-cell interactions. It plays a crucial role in activation and differentiation of the B-cell.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

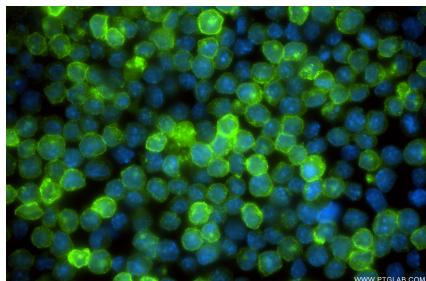
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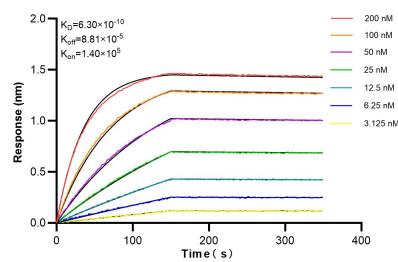
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A20 cells using CD22 antibody (86128-2-RR, Clone: 250078E8) at dilution of 1:200 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 86128-2-RR against Human CD22 were performed. The affinity constant is 0.63 nM.