

For Research Use Only

Mouse CD22 Recombinant antibody, PBS Only

Catalog Number: 86128-2-PBS



Basic Information

Catalog Number:	86128-2-PBS	GenBank Accession Number:	NM_001043317.2	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	12483	CloneNo.:	250078E8
Source:	Rabbit	UNIPROT ID:	P35329-1		
Isotype:	IgG	Full Name:	CD22 antigen		
Immunogen Catalog Number:	EG1324	Calculated MW:	97kDa		

Applications

Tested Applications:
IF/ICC, Indirect ELISA

Species Specificity:
mouse

Background Information

CD22, also known as Siglec-2 (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.

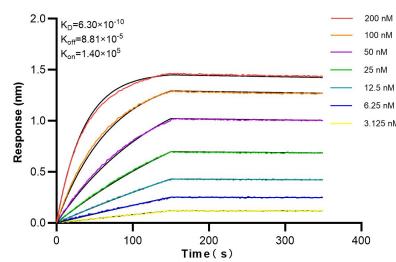
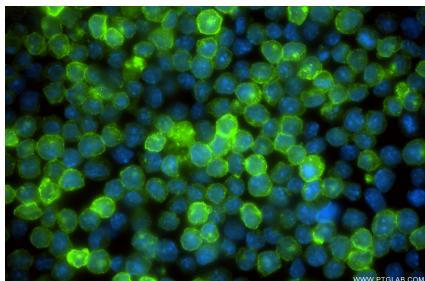
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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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). This data was developed using the same antibody clone with 86128-2-PBS in a different storage buffer formulation.

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