

For Research Use Only

Mouse CD22 Recombinant antibody, PBS Only

Catalog Number: 86128-1-PBS



Basic Information

Catalog Number: 86128-1-PBS	GenBank Accession Number: NM_001043317.2	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 12483	CloneNo.: 250078C5
Source: Rabbit	UNIPROT ID: P35329-1	
Isotype: IgG	Full Name: CD22 antigen	
Immunogen Catalog Number: EG1324	Calculated MW: 97kDa	
	Observed MW: 120-150 kDa	

Applications

Tested Applications:
WB, IHC, 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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

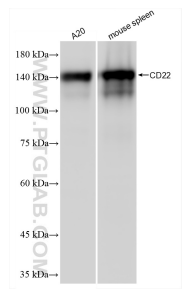
T: 4006900926

E: Proteintech-CN@ptglab.com

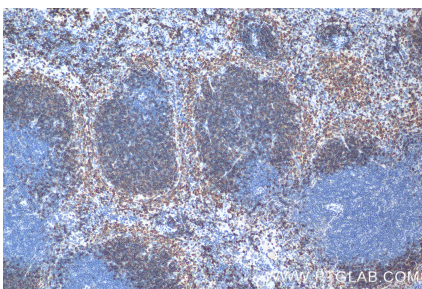
W: ptgcn.com

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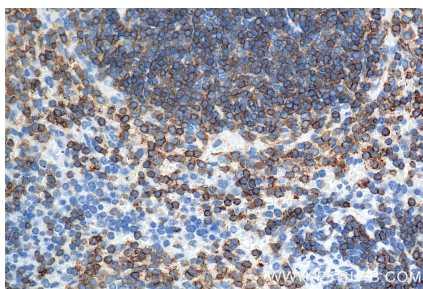
Selected Validation Data



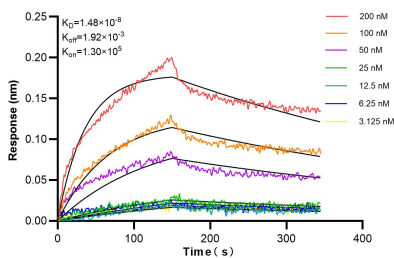
Various lysates were subjected to SDS PAGE followed by western blot with 86128-1-RR (CD22 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86128-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 86128-1-RR (CD22 antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86128-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 86128-1-RR (CD22 antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86128-1-PBS in a different storage buffer formulation.



Bioluminescence resonance energy transfer (BLI) kinetic assays of 86128-1-RR against Mouse CD22 were performed. The affinity constant is 14.8 nM.