

Datasheet for ABIN6138143
anti-CD22 antibody (AA 708-847)

3 Images

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Overview

Quantity:	100 µL
Target:	CD22
Binding Specificity:	AA 708-847
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD22 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 708-847 of human CD22 (NP_001762.2).
Sequence:	LQRRWKRTQS QQGLQENSSG QSFFVRNKKV RRAPLSEGP SLGCYNPMME DGISYTTLRF PEMNIPRTGD AESSEMQRPP PDCDDTVTYS ALHKRQVG DY ENVIPDFPED EGIHYSELIQ FGVGERPQAQ ENVDYVILKH
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

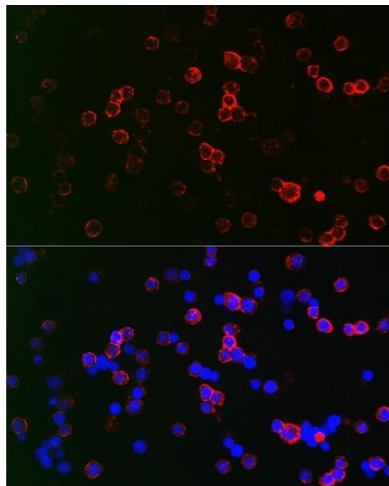
Target:	CD22
Alternative Name:	CD22 (CD22 Products)
Background:	<p>Siglecs (sialic acid binding Ig-like lectins) are I-type (Ig-type) lectins belonging to the Ig superfamily. They are characterized by an N-terminal Ig-like V-type domain which mediates sialic acid binding, followed by varying numbers of Ig-like C2-type domains. Human Siglec-2, also known as B-cell antigen CD22 or Blymphocyte cell adhesion molecule (BL-CAM), is a B-cell restricted glycoprotein that is expressed in the cytoplasm of progenitor B and pre-B cells and on the surface of mature B cells. Two distinct human Siglec2/CD22 cDNAs that arise from differential RNA processing of the same gene have been isolated. Siglec2/CD22 is an adhesion molecule that preferentially binds alpha 2,6- linked sialic acid on the same (cis) or adjacent (trans) cells. Interaction of CD22 with trans ligands on opposing cells was found to be favored over the binding of ligands in cis.,CD22,SIGLEC-2,SIGLEC2,Cancer,Tumor immunology,Tumor-associated antigens,Tumor biomarkers,Immunology & Inflammation,CD markers,B Cell Receptor Signaling Pathway,Stem Cells,Hematopoietic Progenitors,CD22</p>
Molecular Weight:	75 kDa/84 kDa/85 kDa/95 kDa
Gene ID:	933
UniProt:	P20273

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:10 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

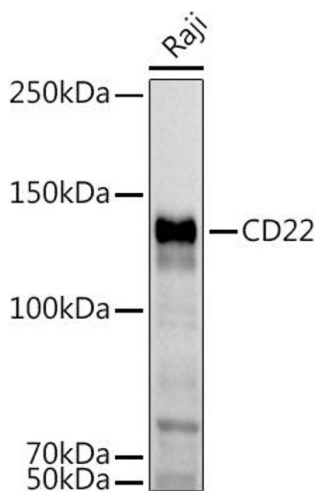
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



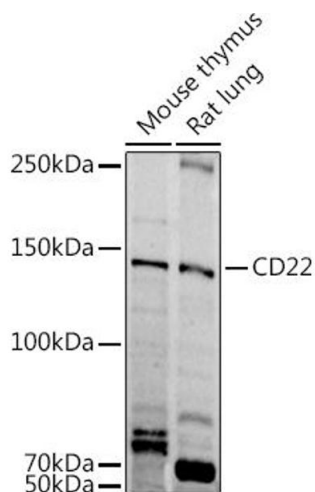
Immunofluorescence

Image 1. Immunofluorescence analysis of Raji cells using CD22 Rabbit pAb (ABIN6131253, ABIN6138143, ABIN6138144 and ABIN6221471) at dilution of 1:150 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of Raji cells, using CD22 antibody (ABIN6131253, ABIN6138143, ABIN6138144 and ABIN6221471) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using CD22 antibody (ABIN6131253, ABIN6138143, ABIN6138144 and ABIN6221471) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.