antibodies -online.com







anti-CD22 antibody (AA 52-178)



Images



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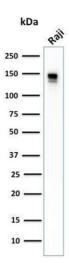
Quantity:	100 μg	
Target:	CD22	
Binding Specificity:	AA 52-178	
Reactivity:	Human	
Host:	Mouse	
Clonality:	Monoclonal	
Conjugate:	This CD22 antibody is un-conjugated	
Application:	Flow Cytometry (FACS), Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Coating (Coat)	

Product Details

Immunogen:	Recombinant fragment of human CD22 protein (around aa 52-178) (exact sequence is	
	proprietary)	
Clone:	BLCAM-1796	
Isotype:	IgG2b kappa	
Specificity:	Recognizes a protein of 130-140 kDa, 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	
	Recognizes a protein of 130-140 kDa, identified as CD22 (also known as BL-CAM). CD22 expression is restricted to normal and neoplastic B cells and is absent from other haemopoiet 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, CD2 is found highly expressed in follicular mantle and marginal zone B-cells, and while germinal	

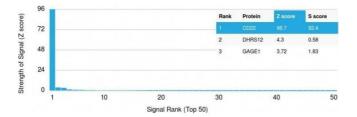
Product Details

	serves as an adhesion receptor for sialic acid-bearing ligands expressed on erythrocytes and a	
	leukocyte classes. It also associates with tyrosine kinases and play a role in signal transductio	
	and B-cell activation.	
Purification:	Purified by Protein A/G	
Target Details		
Target:	CD22	
Alternative Name:	CD22 (CD22 Products)	
Molecular Weight:	130-140kDa	
Gene ID:	933	
UniProt:	P20273	
Application Details		
Application Notes:	Positive Control: Raji or Ramos cells (IF/FACS). Raji cell lysate (WB). Human tonsil, lymph node	
	or spleen (IHC).	
	Known Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), Western	
	Blot (1-2 μg/mL), Flow Cytometry (1-2 μg/million cells), Immunofluorescence (1-2 μg/mL),	
	Optimal dilution for a specific application should be determined.	
Restrictions:	For Research Use only	
Handling		
Concentration:	200 μg/mL	
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.	
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:	4 °C,-80 °C	
Storage Comment:	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. No MSDS required.	
Expiry Date:	24 months	



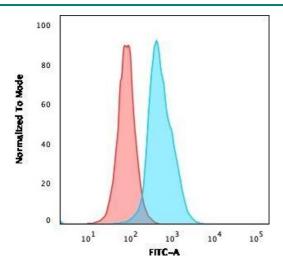
Western Blotting

Image 1. Western Blot Analysis of human Raji cell lysate using CD22 Mouse Monoclonal Antibody (BLCAM/1796).



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using CD22 Mouse Monoclonal Antibody (BLCAM/1796) Z- and S- Score: The Zscore represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Zscore, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Flow Cytometry

Image 3. Flow Cytometric Analysis of Ramos cells using CD22 Mouse Monoclonal Antibody (BLCAM/1796) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

Please check the product details page for more images. Overall 5 images are available for ABIN6941121.