

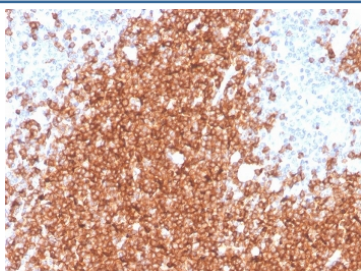
## Recombinant CD22 Antibody / BL-CAM [clone rBLCAM/4108] (V8638)

Catalog No.	Formulation	Size
V8638-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8638-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8638SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

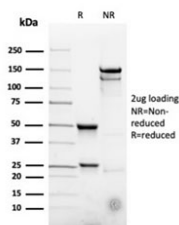
Recombinant **MOUSE MONOCLONAL**

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2a, kappa
Clone Name	rBLCAM/4108
Purity	Protein G affinity chromatography
UniProt	P20273
Localization	Cell surface
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
Limitations	This recombinant CD22 antibody is available for research use only.



IHC staining of FFPE human spleen with recombinant CD22 antibody (clone rBLCAM/4108). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant CD22 antibody (clone rBLCAM/4108) as confirmation of integrity and purity.

## Description

Recognizes a protein of 130-140kDa, 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 serves as an adhesion receptor for sialic acid-bearing ligands expressed on erythrocytes and all leukocyte classes. It also associates with tyrosine kinases and play a role in signal transduction and B-cell activation.

## Application Notes

Optimal dilution of the recombinant CD22 antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 52-178 from the human protein was used as the immunogen for the recombinant CD22 antibody.

## Storage

Store the recombinant CD22 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).