

For Research Use Only

# CoraLite®594-conjugated CD22 Monoclonal antibody



Catalog Number:CL594-66103

## Basic Information

<b>Catalog Number:</b> CL594-66103	<b>GenBank Accession Number:</b> BC109306	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100UL, Concentration: 1000 µg/ml by 933 Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 933	<b>CloneNo.:</b> 7A2F1
<b>Source:</b> Mouse	<b>Full Name:</b> CD22 molecule	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 847 aa, 95 kDa	<b>Excitation/Emission maxima wavelengths:</b> 593 nm/614 nm
<b>Immunogen Catalog Number:</b> AG17986		

## Applications

<b>Tested Applications:</b> IF, ELISA	<b>Positive Controls:</b> IF : human tonsillitis tissue,
<b>Species Specificity:</b> human	

## 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. And this antibody is conjugated with CL594, Ex/Em 593 nm/614 nm.

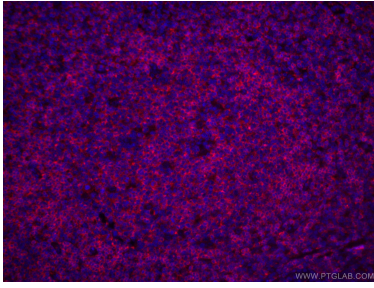
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

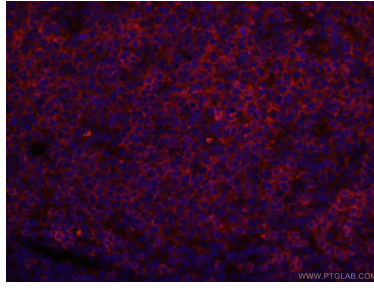
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CL594-66103 (CD22 antibody) at dilution of 1:100.



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