

For Research Use Only

CoraLite®488-conjugated CD22 Monoclonal antibody

Catalog Number:CL488-66103



Basic Information

| | | |
|---------------------------------------------|----------------------------------------------|-------------------------------------------------------------------|
| Catalog Number: CL488-66103 | GenBank Accession Number: BC109306 | Purification Method: Protein A purification |
| Size: 1000 µg/ml | GeneID (NCBI): 933 | CloneNo.: 7A2F1 |
| Source: Mouse | UNIPROT ID: P20273 | Recommended Dilutions: IF-P 1:50-1:500 |
| Isotype: IgG2a | Full Name: CD22 molecule | Excitation/Emission maxima wavelengths: 491 nm / 516 nm |
| Immunogen Catalog Number: AG17986 | Calculated MW: 847 aa, 95 kDa | |

Applications

| | |
|---------------------------------------|---------------------------------------------------------------|
| Tested Applications: IF/ICC | Positive Controls: IF-P : human tonsillitis tissue, |
| Species Specificity: 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 CL488, Ex/Em 488 nm/515 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:

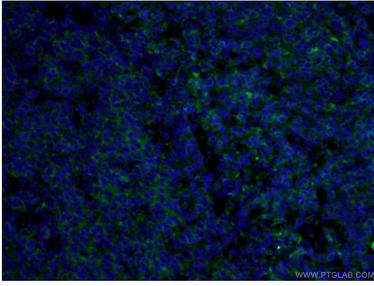
T: 4006900926

E: Proteintech-CN@ptglab.com

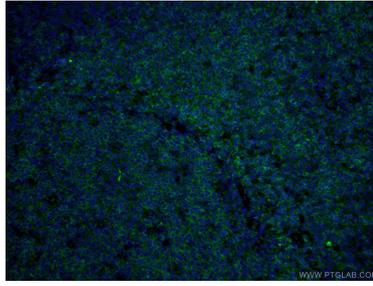
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

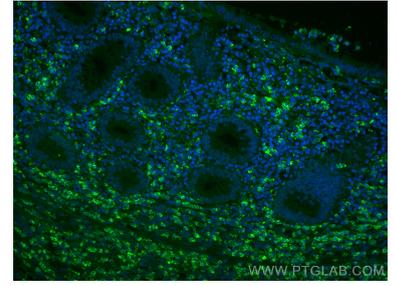
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CL488-66103 (CD22 antibody) at dilution of 1:100.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CL488-66103 (CD22 antibody) at dilution of 1:100.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human appendicitis tissue using CoraLite@488 CD22 antibody (CL488-66103, Clone: 7A2F1) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).