

For Research Use Only

CoraLite®488-conjugated CD22 Monoclonal antibody

Catalog Number: CL488-66103



Basic Information

Catalog Number:

CL488-66103

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG17986

GenBank Accession Number:

BC109306

GeneID (NCBI):

933

UNIPROT ID:

P20273

Full Name:

CD22 molecule

Calculated MW:

847 aa, 95 kDa

Purification Method:

Protein A purification

CloneNo.:

7A2F1

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

491 nm / 516 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF-P : human tonsillitis tissue,

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:

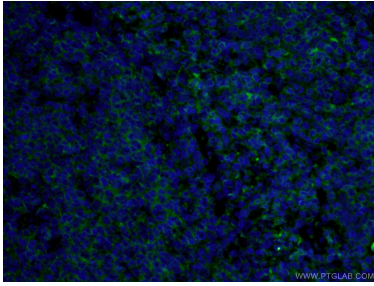
T: 4006900926

E: Proteintech-CN@ptglab.com

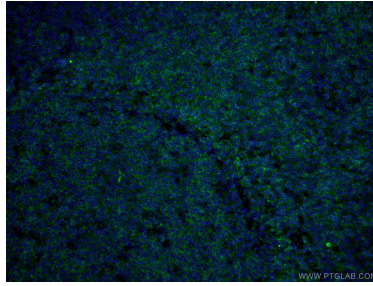
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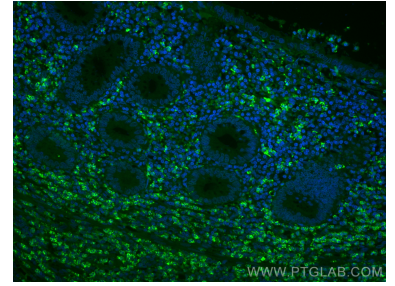
Selected Validation Data



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).