

For Research Use Only

CD20 Monoclonal antibody, PBS Only



Catalog Number: 60271-1-PBS

Basic Information

Catalog Number:

60271-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG17309

GenBank Accession Number:

BC002807

GeneID (NCBI):

931

UNIPROT ID:

P11836

Full Name:

membrane-spanning 4-domains, subfamily A, member 1

Calculated MW:

297 aa, 33 kDa

Observed MW:

35 kDa

Purification Method:

Protein A purification

CloneNo.:

4A7G3

Applications

Tested Applications:

WB, IF, FC, IHC, Indirect ELISA

Species Specificity:

human

Background Information

CD20 is a 33-37 kDa transmembrane phosphoprotein. CD20 is a B-lymphocyte surface molecule that is widely expressed during B-cell ontogeny, from early pre-B-cell developmental stages until final differentiation into plasma cells. CD20 functions as calcium-permeable cation channel. It is involved in the regulation of B-cell activation and proliferation. CD20 serves as a useful target for antibody-mediated therapeutic depletion of B-cells.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

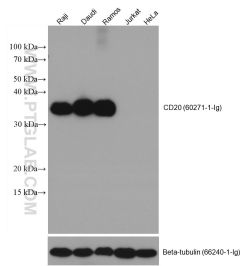
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

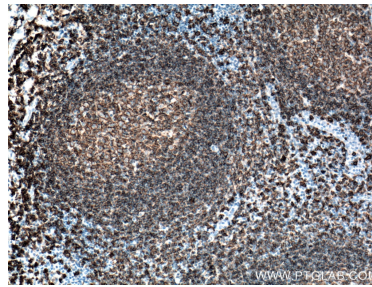
E: proteintech@ptglab.com
W: ptglab.com

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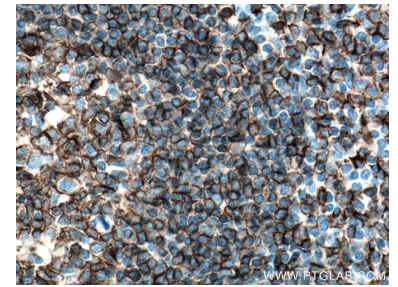
Selected Validation Data



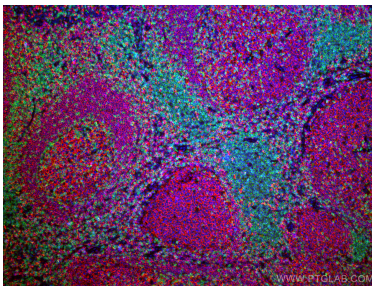
Raji cells (CD20+), Daudi cells (CD20+), Ramos cells (CD20+), Jurkat cells (CD20-), and HeLa cells (CD20-) were subjected to SDS PAGE followed by western blot with 60271-1-Ig (CD20 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60271-1-PBS in a different storage buffer formulation.



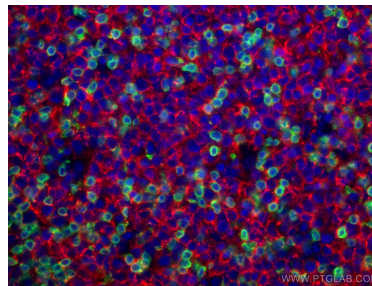
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60271-1-Ig (CD20 antibody) at dilution of 1:12800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60271-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60271-1-Ig (CD20 antibody) at dilution of 1:12800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60271-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD20 antibody (60271-1-Ig, Clone: 4A7G3) at dilution of 1:400 and CoraLite@594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CD3 antibody (17617-1-AP, green). This data was developed using the same antibody clone with 60271-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD20 antibody (60271-1-Ig, Clone: 4A7G3) at dilution of 1:400 and CoraLite@594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CD3 antibody (17617-1-AP, green). This data was developed using the same antibody clone with 60271-1-PBS in a different storage buffer formulation.

1X10⁶ Daudi cells were intracellularly stained with 0.4 ug Anti-Human CD20 (60271-1-Ig, Clone:4A7G3) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2b Isotype Control (MPC-11) (65128-1-Ig, Clone: MPC-11) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 60271-1-PBS in a