

For Research Use Only

CD20 Monoclonal antibody, PBS Only

Catalog Number:60271-1-PBS



Basic Information

Catalog Number: 60271-1-PBS	GenBank Accession Number: BC002807	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 931	CloneNo.: 4A7G3
Source: Mouse	UNIPROT ID: P11836	
Isotype: IgG2b	Full Name: membrane-spanning 4-domains, subfamily A, member 1	
Immunogen Catalog Number: AG17309	Calculated MW: 297 aa, 33 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, IF-P, 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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

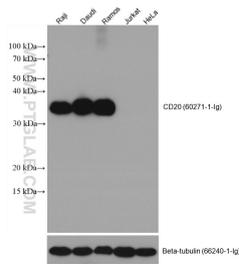
T: 4006900926

E: Proteintech-CN@ptglab.com

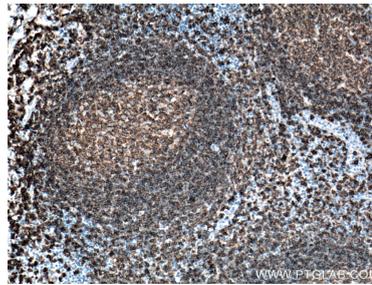
W: ptgcn.com

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

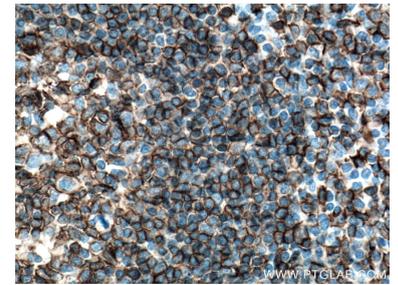
Selected Validation Data



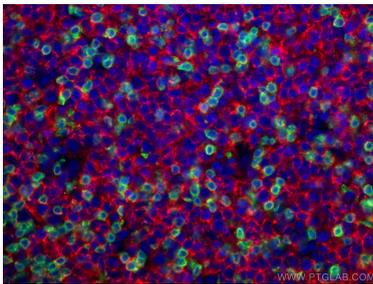
Raji cells (CD20+), Daudi cells (CD20+), Ramos cells (CD20+), Jurkat cells (CD20-), and HeLa cells (CD20-) were subjected to SDS PAGE followed by western blot with 60271-1-Ig (CD20 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody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



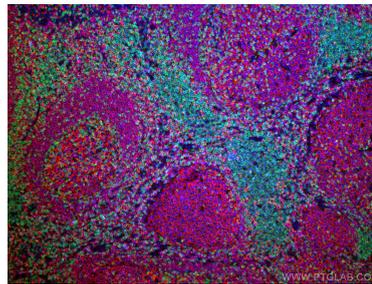
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60271-1-Ig (CD20 antibody) at dilution of 1:12800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60271-1-PBS in a different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



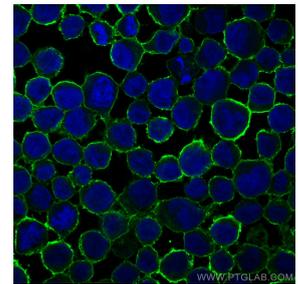
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60271-1-Ig (CD20 antibody) at dilution of 1:12800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60271-1-PBS in a different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



Immunofluorescent analysis of (4% PFA) fixed Raji cells using CD20 antibody (60271-1-Ig, Clone: 4A7G3) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1). 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 1:20000 (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.