

For Research Use Only

CD19 Polyclonal antibody

Catalog Number: 27949-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

27949-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27656

GenBank Accession Number:

BC006338

GeneID (NCBI):

930

ENSEMBL Gene ID:

ENSG00000177455

UNIPROT ID:

P15391

Full Name:

CD19 molecule

Calculated MW:

556 aa, 61 kDa

Observed MW:

95 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:1000-1:4000

IF-Fro 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-Fro, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: Daudi cells, Raji cells

IHC: human tonsillitis tissue, human lymphoma tissue, mouse colon tissue, rat colon tissue, rat thymus tissue

IF-Fro: mouse spleen tissue,

IF/ICC: Raji cells,

Background Information

CD19 is a B cell-specific molecule that controls B cell activation by complexing with the BCR. CD19 is a member of the Ig superfamily and is the dominant component for the signaling complex on B cells that includes CD21, CD81, and CD22. Humans with CD19 deficiency have reduced proliferative responses to BCR stimulation in vitro and mount impaired Ab responses to vaccination.

Notable Publications

Author	Pubmed ID	Journal	Application
Hirofumi Watanabe	36609460	Inflamm Regen	IHC
Xiaozhao Zhang	39343166	Ocul Surf	IF
Yingyi Wu	39111584	Free Radic Biol Med	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

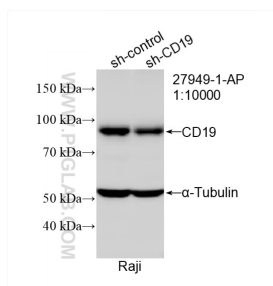
For technical support and original validation data for this product please contact:

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

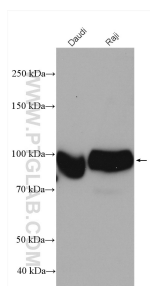
E: proteintech@ptglab.com
W: ptglab.com

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

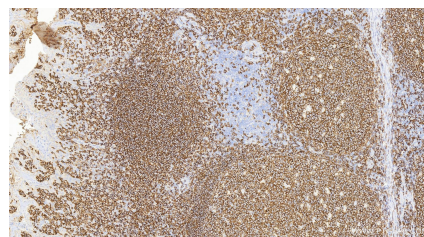
Selected Validation Data



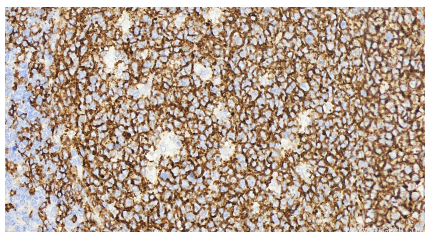
WB result of CD19 antibody (27949-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CD19 transfected Raji cells.



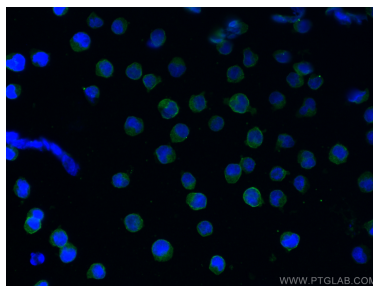
Daudi cells were subjected to SDS PAGE followed by western blot with 27949-1-AP (CD19 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



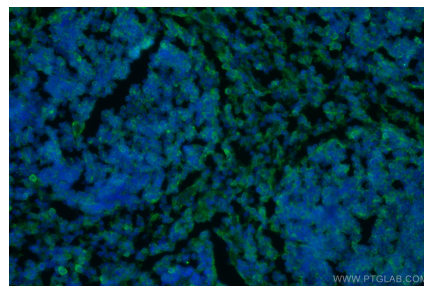
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 27949-1-AP (CD19 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 27949-1-AP (CD19 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed Raji cells using CD19 antibody (27949-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded mouse spleen tissue using 27949-1-AP (CD19 antibody) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).