

CD21 Polyclonal antibody

Catalog Number: 28206-1-AP

Basic Information

Catalog Number: 28206-1-AP	GenBank Accession Number: BC136394	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1380	Recommended Dilutions: IHC 1:50-1:500 IF-P 1:50-1:500
Source: Rabbit	ENSEMBL Gene ID: ENSG00000117322	
Isotype: IgG	UNIPROT ID: P20023	
Immunogen Catalog Number: AG27971	Full Name: complement component (3d/Epstein Barr virus) receptor 2	
	Calculated MW: 1092 aa, 119 kDa	

Applications

Tested Applications: IHC, IF-P, ELISA	Positive Controls:
Species Specificity: Human	IHC : human tonsillitis tissue, IF-P : human tonsillitis tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

CD21, also known as complement receptor type 2 (CR2), complement C3d receptor, and Epstein-Barr virus receptor, is a transmembrane protein that contains a small cytoplasmic domain, a transmembrane region and an extracellular domain consisting of 15 tandem short consensus repeat sequences (PMID: 6230668; 2551147). It is expressed on B cells, follicular dendritic cells, thymocytes and a subset of peripheral T cells (PMID: 26119182). CD21 binds complement fragments C3d, C3dg and iC3b and acts as a receptor for the Epstein-Barr virus (PMID: 7753047). On B cells, together with CD19 and CD81, CD21 forms a complex that functions as a co-receptor to the BCR (PMID: 7542009). It is involved in B cells activation and functions.

Storage

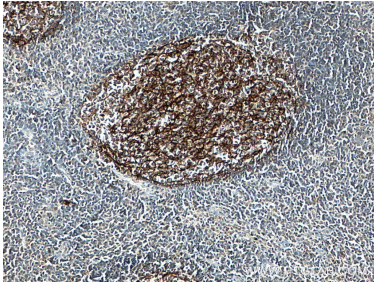
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

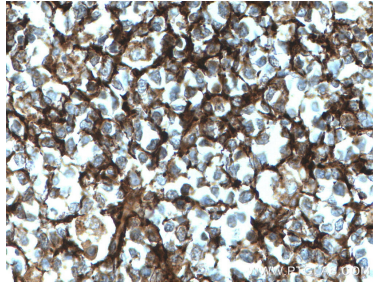
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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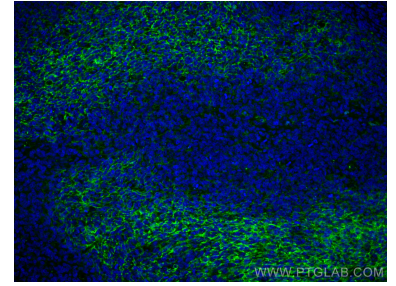
Selected Validation Data



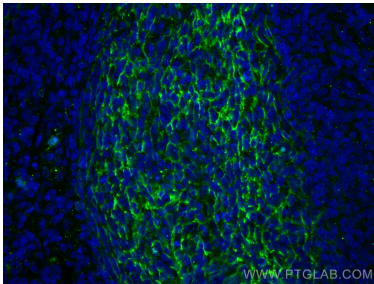
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 28206-1-AP (CD21 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 28206-1-AP (CD21 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD21 antibody (28206-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD21 antibody (28206-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).