

For Research Use Only

CD5 Monoclonal antibody

Catalog Number: 67278-1-Ig



Basic Information

Catalog Number: 67278-1-Ig	GenBank Accession Number: BC027901	Purification Method: Protein A purification
Size: 150ul , Concentration: 2100 ug/ml by 921 Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 921	CloneNo.: 4D12C10
Source: Mouse	ENSEMBL Gene ID: ENSG00000110448	Recommended Dilutions: IHC 1:1000-1:4000 IF-P 1:200-1:800
Isotype: IgG2b	UNIPROT ID: P06127	
Immunogen Catalog Number: AG11065	Full Name: CD5 molecule	
	Calculated MW: 495 aa, 55 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

CD5 is a type I transmembrane glycoprotein of the scavenger receptor cysteine-rich family (PMID: 12403363). CD5 is expressed on a majority of thymocytes, mature T cells, B cell subsets, and peripheral blood dendritic cells (PMID: 9858516; 6156984; 10379049; 1384337). CD5 may act as a receptor in regulating T-cell proliferation. It functions as a negative regulator of TCR signaling during thymocyte development (PMID: 7542801).

Storage

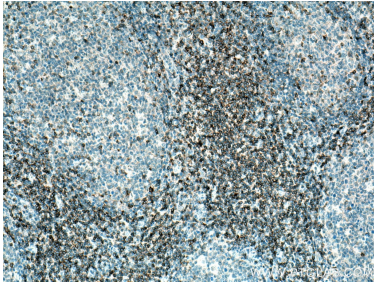
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

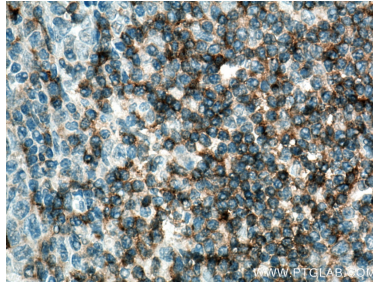
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

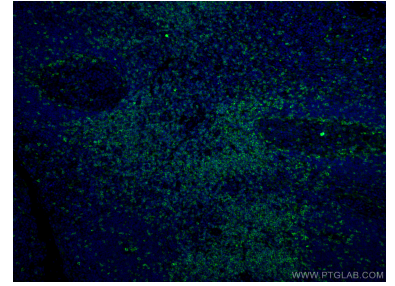
Selected Validation Data



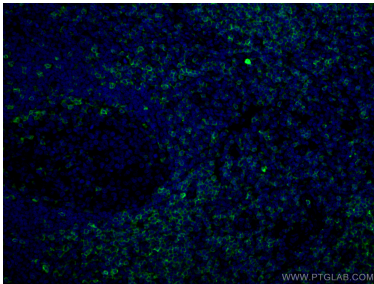
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67278-1-Ig (CD5 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67278-1-Ig (CD5 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD5 antibody (67278-1-Ig, Clone: 4D12C10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD5 antibody (67278-1-Ig, Clone: 4D12C10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).