

For Research Use Only

CD4 Monoclonal antibody

Catalog Number: 67786-1-Ig **75 Publications**



Basic Information

Catalog Number: 67786-1-Ig	GenBank Accession Number: BC025782	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 920	CloneNo.: 2H4A2
Source: Mouse	ENSEMBL Gene ID: ENSG00000010610	Recommended Dilutions: IHC 1:450-1:1800 IF-P 1:200-1:800
Isotype: IgG1	UNIPROT ID: P01730	
Immunogen Catalog Number: AG30870	Full Name: CD4 molecule	
	Calculated MW: 55 kDa	

Applications

Tested Applications: IHC, IF-P, ELISA	Positive Controls:
Cited Applications: IHC, IF	IHC : human tonsillitis tissue, human colon tissue, human liver tissue, human thymus tissue
Species Specificity: human	IF-P : human tonsillitis tissue,
Cited Species: human, pig	
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

CD4 is a 55-kDa transmembrane glycoprotein expressed on T helper cells, majority of thymocytes, monocytes, macrophages, and dendritic cells (PMID: 9304802; 12213222). CD4 is an accessory protein for MHC class-II antigen/T-cell receptor interaction. It plays an important role in T helper cell development and activation (PMID: 9539765; 3112582). CD4 serves as a receptor for the human immunodeficiency virus (HIV) (PMID: 9304802).

Notable Publications

Author	Pubmed ID	Journal	Application
Chun-Hu Wang	34553702	Chin Med J (Engl)	IHC
Qi Tian	36159822	Front Immunol	IF
Maolin Wang	34858817	Front Oncol	IHC

Storage

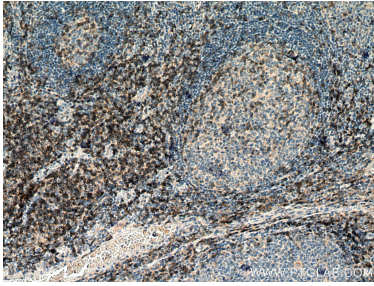
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

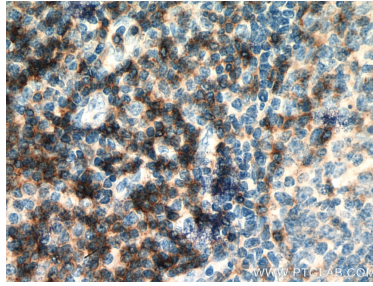
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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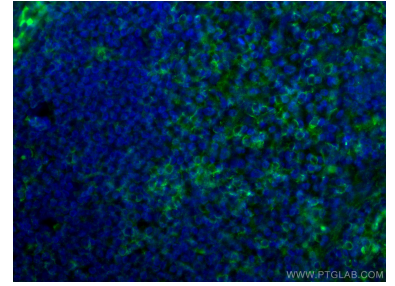
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67786-1-Ig (CD4 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67786-1-Ig (CD4 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD4 antibody (67786-1-Ig, Clone: 2H4A2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).