

For Research Use Only

# CD4 Monoclonal antibody, PBS Only

Catalog Number: 67786-1-PBS



## Basic Information

<b>Catalog Number:</b> 67786-1-PBS	<b>GenBank Accession Number:</b> BC025782	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 920	<b>CloneNo.:</b> 2H4A2
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000010610	
<b>Isotype:</b> IgG1	<b>UNIPROT ID:</b> P01730	
<b>Immunogen Catalog Number:</b> AG30870	<b>Full Name:</b> CD4 molecule	
	<b>Calculated MW:</b> 55 kDa	

## Applications

**Tested Applications:**  
IHC, IF-P, Indirect ELISA

**Species Specificity:**  
human

## 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).

## Storage

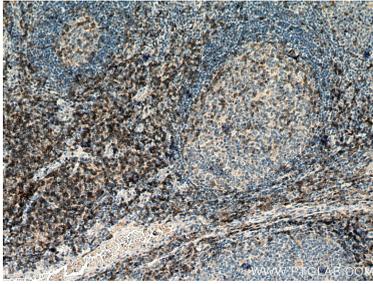
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

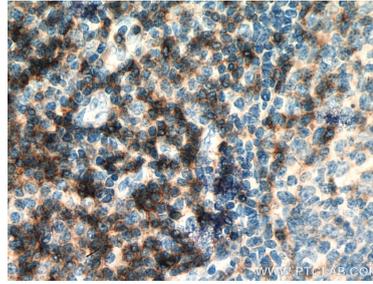
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

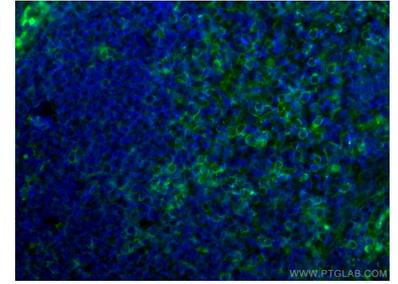
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67786-1-Ig (CD4 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67786-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67786-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67786-1-PBS in a different storage buffer formulation.