

For Research Use Only

# CD7 Monoclonal antibody

Catalog Number: 60209-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 60209-1-Ig	<b>GenBank Accession Number:</b> BC009293	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1300 µg/ml	<b>GeneID (NCBI):</b> 924	<b>CloneNo.:</b> 1G10D8
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000173762	<b>Recommended Dilutions:</b> IHC 1:1600-1:6400 IF 1:200-1:800
<b>Isotype:</b> IgG1	<b>UNIPROT ID:</b> P09564	
<b>Immunogen Catalog Number:</b> AG1805	<b>Full Name:</b> CD7 molecule	
	<b>Calculated MW:</b> 240 aa, 25 kDa	

## Applications

<b>Tested Applications:</b> IF-P, IHC, ELISA	<b>Positive Controls:</b> IHC : human appendicitis tissue, human tonsillitis tissue, mouse thymus tissue, human lymphoma tissue IF : human tonsillitis tissue,
<b>Cited Applications:</b> FC, IF	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

CD7 is a 40 kD type I transmembrane glycoprotein expressed on thymocytes and mature T cells. It is the most reliable clinical marker of T-cell acute lymphocytic leukemia.

## Notable Publications

Author	Pubmed ID	Journal	Application
Margaret M Billingsley	38072809	Small	
Hai-Yan Zhou	37703873	Cell Metab	IF,FC

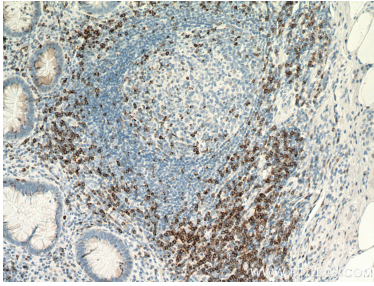
## Storage

**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

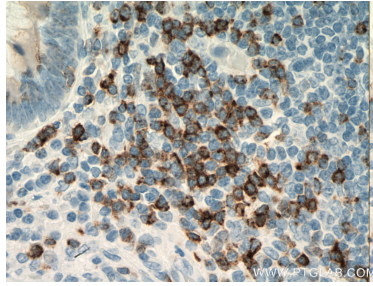
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

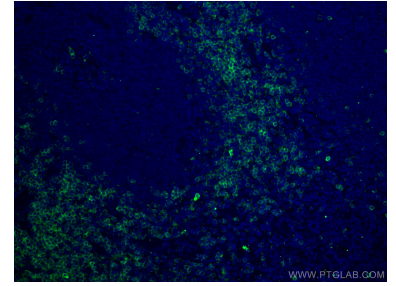
## Selected Validation Data



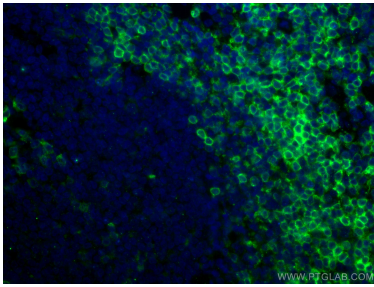
Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 60209-1-Ig (CD7 antibody) at dilution of 1:3200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 60209-1-Ig (CD7 antibody) at dilution of 1:3200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using 60209-1-Ig (CD7 antibody), 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 60209-1-Ig (CD7 antibody), at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).