

For Research Use Only

# CD8a Polyclonal antibody

Catalog Number: 29896-1-AP **6 Publications**



## Basic Information

<b>Catalog Number:</b> 29896-1-AP	<b>GenBank Accession Number:</b> NM_001081110	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 12525	<b>Recommended Dilutions:</b> WB 1:1000-1:5000 IHC 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P01731	
<b>Isotype:</b> IgG	<b>Full Name:</b> CD8 antigen, alpha chain	
<b>Immunogen Catalog Number:</b> AG31942	<b>Calculated MW:</b> 27KD	
	<b>Observed MW:</b> 32-35 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : mouse spleen tissue, mouse thymus tissue IHC : mouse thymus tissue, mouse spleen tissue
<b>Cited Applications:</b> IF, IHC	
<b>Species Specificity:</b> Mouse	
<b>Cited Species:</b> human, mouse	

**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

CD8 is a transmembrane glycoprotein that is predominantly expressed on the surface of cytotoxic T cells, and can also be found on natural killer cells, cortical thymocytes, and dendritic cells. CD8 is composed of two disulfide-linked chains and can be present as a homodimer of CD8a or as a heterodimer of CD8a and CD8β (PMID: 3264320; 8253791). The majority of class I-restricted T cells express mostly the CD8aβ heterodimer while CD8aa homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) γδ T cells and on NK cells (PMID: 2111591; 1831127; 8420975). CD8 acts as a co-receptor that binds to MHC class-I and participates in cytotoxic T cell activation (PMID: 8499079). During T cell development, CD8 is required for positive selection of CD4-/CD8+ T cells (PMID: 1968084).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yan Du	38365757	J Transl Med	IF
Chaoqin Guo	38048735	Biomed Pharmacother	IHC
Junya Okabe	37814340	J Exp Clin Cancer Res	IHC

## Storage

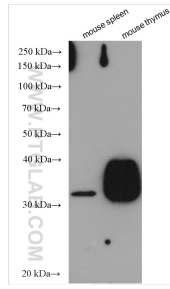
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

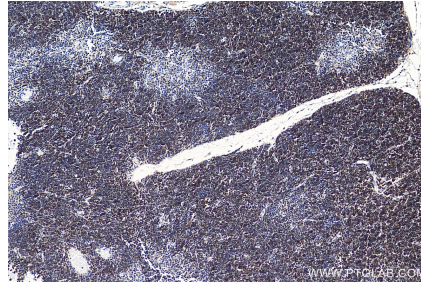
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

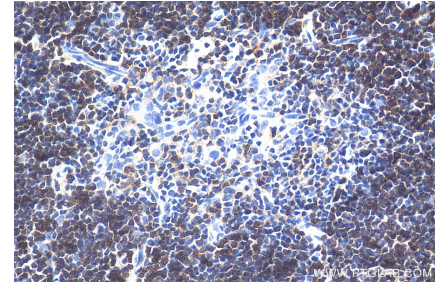
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29896-1-AP (CD8a antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse thymus tissue slide using 29896-1-AP (CD8a antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse thymus tissue slide using 29896-1-AP (CD8a antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).