

For Research Use Only

# CD8a Recombinant antibody

Catalog Number: 85977-4-RR



## Basic Information

<b>Catalog Number:</b> 85977-4-RR	<b>GenBank Accession Number:</b> NM_001081110.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 12525	<b>CloneNo.:</b> 242879E1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P01731	<b>Recommended Dilutions:</b> WB: 1:1000-1:6000
<b>Isotype:</b> IgG	<b>Full Name:</b> CD8 antigen, alpha chain	
<b>Immunogen Catalog Number:</b> EG3265	<b>Calculated MW:</b> 27 kDa	
	<b>Observed MW:</b> 30-35 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse spleen tissue, mouse thymus tissue
<b>Species Specificity:</b> mouse	

## 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 CD8α or as a heterodimer of CD8α and CD8β (PMID: 3264320; 8253791). The majority of class I-restricted T cells express mostly the CD8αβ heterodimer while CD8αα 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).

## Storage

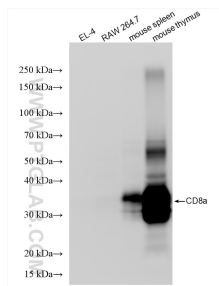
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

**\*\*\* 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)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://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 85977-4-RR (CD8a antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.