

For Research Use Only

# Mouse CD8a Recombinant antibody, PBS Only

Catalog Number: 85977-4-PBS



## Basic Information

Catalog Number: 85977-4-PBS	GenBank Accession Number: NM_001081110.2	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 12525	CloneNo.: 242879E1
Source: Rabbit	UNIPROT ID: P01731	
Isotype: IgG	Full Name: CD8 antigen, alpha chain	
Immunogen Catalog Number: EG3265	Calculated MW: 27 kDa	
	Observed MW: 30-35 kDa	

## Applications

Tested Applications:  
WB, Indirect ELISA

Species Specificity:  
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 CD8 $\alpha$  or as a heterodimer of CD8 $\alpha$  and CD8 $\beta$  (PMID: 3264320; 8253791). The majority of class I-restricted T cells express mostly the CD8 $\alpha$  $\beta$  heterodimer while CD8 $\alpha$  $\alpha$  homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR)  $\gamma$  $\delta$  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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:  
PBS only, pH7.3

For technical support and original validation data for this product please contact:

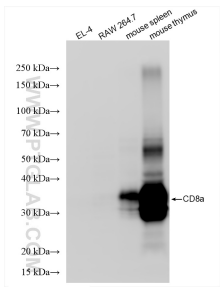
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# Selected Validation Data



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. This data was developed using the same antibody clone with 85977-4-PBS in a different storage buffer formulation.