

For Research Use Only

# Rat CD8a Recombinant antibody, PBS Only

Catalog Number: **86119-1-PBS**



## Basic Information

Catalog Number:	86119-1-PBS	GenBank Accession Number:	NM_031538.2	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	24930	CloneNo.:	250721F4
Source:	Rabbit	UNIPROT ID:	P07725		
Isotype:	IgG	Full Name:	CD8a molecule		
Immunogen Catalog Number:	EG3839	Calculated MW:	26 kDa		
		Observed MW:	30 kDa		

## Applications

### Tested Applications:

WB, Indirect ELISA

### Species Specificity:

rat

## Background Information

CD8 is a transmembrane glycoprotein composed of two disulfide-linked chains. It can be present as a homodimer of CD8 $\alpha$  or as a heterodimer of CD8 $\alpha$  and CD8 $\beta$  (PMID: 3264320; 8253791). CD8 is found on most thymocytes. 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.

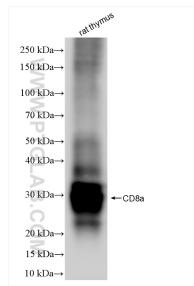
### Storage Buffer:

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 86119-1-RR (CD8a antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86119-1-PBS in a different storage buffer formulation.