

For Research Use Only

CD8a Recombinant antibody

Catalog Number: 85977-3-RR



Basic Information

Catalog Number: 85977-3-RR	GenBank Accession Number: NM_001081110.2	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 12525	CloneNo.: 242879G4
Source: Rabbit	UNIPROT ID: P01731	Recommended Dilutions: WB: 1:1000-1:6000
Isotype: IgG	Full Name: CD8 antigen, alpha chain	
Immunogen Catalog Number: EG3265	Calculated MW: 27 kDa	
	Observed MW: 32-35 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse thymus tissue,
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 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

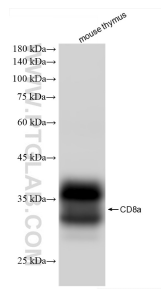
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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)
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Selected Validation Data



Mouse thymus tissue was subjected to SDS PAGE followed by western blot with 85977-3-RR (CD8A antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.