

For Research Use Only

CD8a Polyclonal antibody

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



Basic Information

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

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse spleen tissue, mouse thymus tissue IHC : mouse thymus tissue, mouse spleen tissue
Cited Applications: IF, IHC	
Species Specificity: Mouse	
Cited Species: 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 CD8 α or as a heterodimer of CD8 α and CD8 β (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).

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

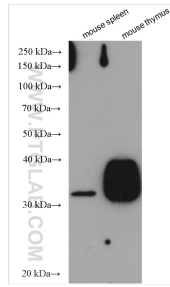
Storage

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

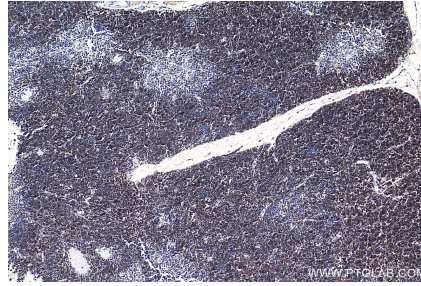
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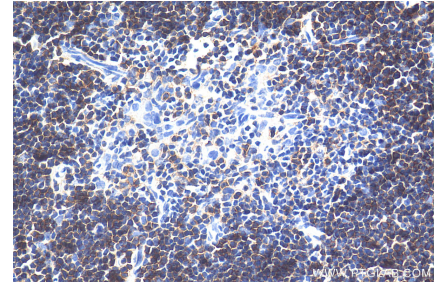
Selected Validation Data



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).