

For Research Use Only

# CD8a Monoclonal antibody

Catalog Number: 66868-1-Ig 207 Publications



## Basic Information

Catalog Number: 66868-1-Ig	GenBank Accession Number: BC025715	Purification Method: Protein G purification
Size: 150ul , Concentration: 2000 ug/ml by Nanodrop;	GeneID (NCBI): 925	CloneNo.: 1G2B10
Source: Mouse	ENSEMBL Gene ID: ENSG00000153563	Recommended Dilutions: WB: 1:2000-1:10000 IHC: 1:10000-1:40000 IF-P: 1:200-1:800
Isotype: IgG1	UNIPROT ID: P01732	
Immunogen Catalog Number: AG11111	Full Name: CD8a molecule	
	Calculated MW: 235 aa, 26 kDa	
	Observed MW: 32 kDa	

## Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls: WB : MOLT-4 cells, human peripheral blood leukocyte
Cited Applications: WB, IHC, IF	IHC : human tonsillitis tissue, human appendicitis tissue, human breast cancer tissue, human colon cancer tissue, human lung cancer tissue, human pancreas cancer tissue
Species Specificity: human	IF-P : human tonsillitis tissue,
Cited Species: human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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 serves as a co-receptor for the T cell receptor (TCR). Both CD8 and TCR recognize antigens displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. CD8 plays a role in T cell development and activation of mature T cells. This antibody is raised against 23-183 aa of human CD8a, the alpha chain of CD8 molecule.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yanyu Ren	36248860	Front Immunol	IHC
Yan Yang	34582523	Biomater Sci	IHC
Yanli Liu	36238304	Front Immunol	IHC

## Storage

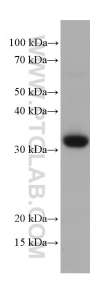
Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

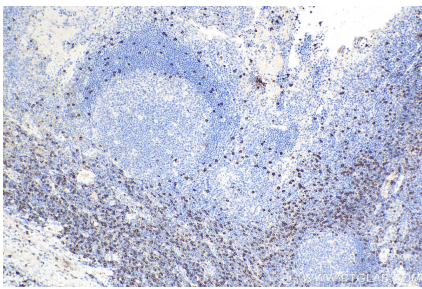
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

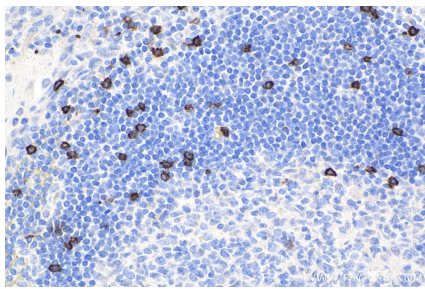
Selected Validation Data



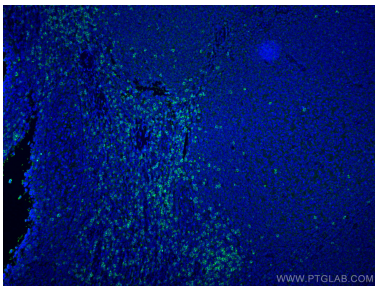
MOLT-4 cells were subjected to SDS PAGE followed by western blot with 66868-1-Ig (CD8a antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



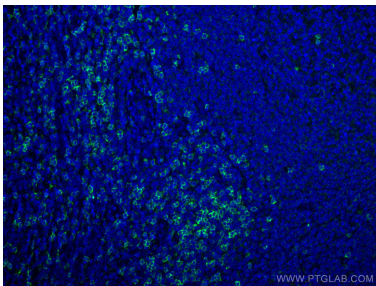
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66868-1-Ig (CD8a antibody) at dilution of 1:20000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



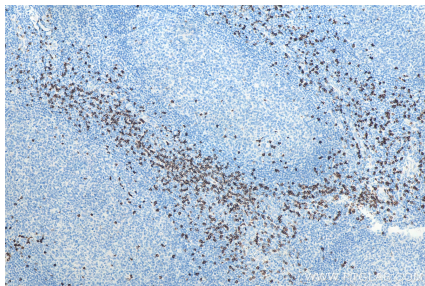
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66868-1-Ig (CD8a antibody) at dilution of 1:20000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD8a antibody (66868-1-Ig, Clone: 1G2B10 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD8a antibody (66868-1-Ig, Clone: 1G2B10 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66868-1-Ig (CD8 antibody) at dilution of 1:20000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).