

For Research Use Only

CD8a Monoclonal antibody

Catalog Number: 66868-1-Ig **198 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	
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 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

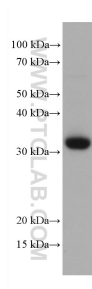
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

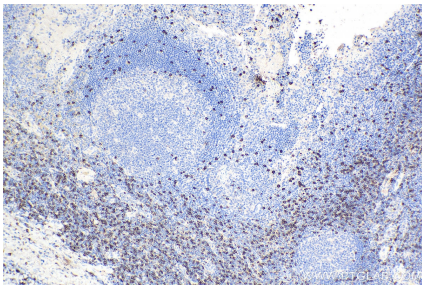
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

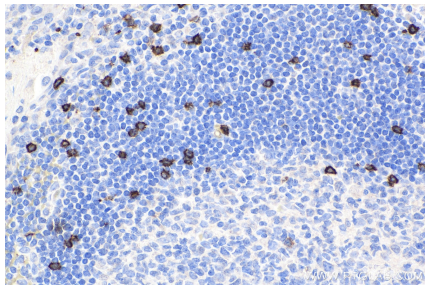
Selected Validation Data



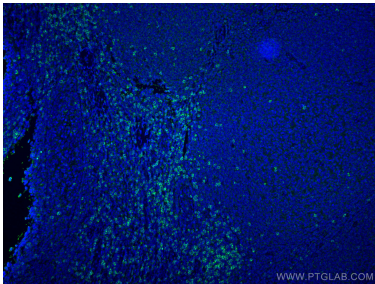
MOLT-4 cells were subjected to SDS PAGE followed by western blot with 66868-1-Ig (CD8a antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



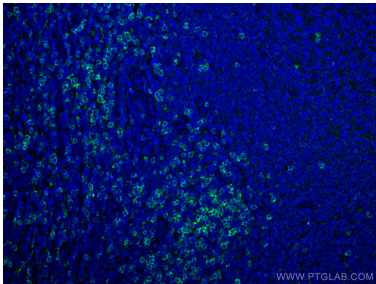
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66868-1-Ig (CD8a antibody) at dilution of 1:20000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



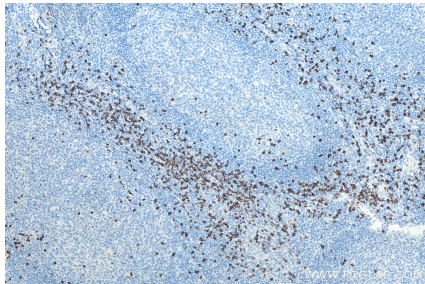
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66868-1-Ig (CD8a antibody) at dilution of 1:20000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).