

For Research Use Only

CD8a Recombinant antibody

Catalog Number: 86063-2-RR



Basic Information

Catalog Number:	86063-2-RR	GenBank Accession Number:	NM_001145873.1	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by 925	GenID (NCBI):		CloneNo.:	243018F10
		ENSEMBL Gene ID:		Recommended Dilutions:	
Nanodrop:		ENSG00000153563		IHC:	1:2000-1:8000
Source:	Rabbit	UNIPROT ID:		IF/ICC:	1:400-1:1600
Isotype:	IgG	P01732-1			
Immunogen Catalog Number:	EG0819	Full Name:	CD8a molecule		
		Calculated MW:			
		26 kDa			

Applications

Tested Applications:

IHC, IF/ICC, ELISA

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC: human tonsillitis tissue, human ovary cancer tissue, human stomach cancer tissue, human rectal cancer tissue, human hepatocellular cancer, human breast cancer tissue, human placenta tissue

IF/ICC: human tonsillitis tissue,

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 22-182 aa of human CD8a, the alpha chain of CD8 molecule.

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

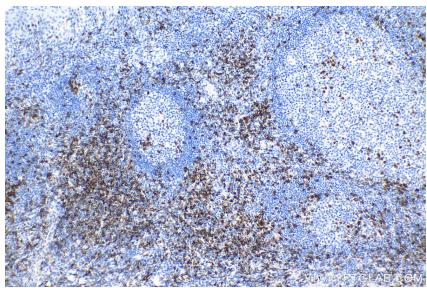
***** 20ul sizes contain 0.1% BSA**

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)

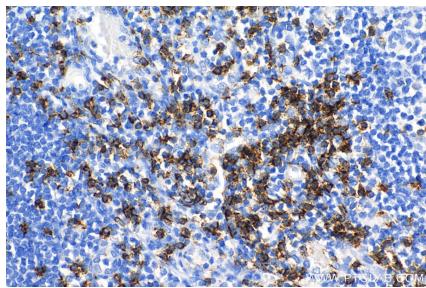
E: proteintech@ptglab.com
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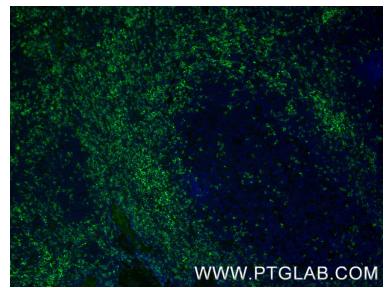
Selected Validation Data



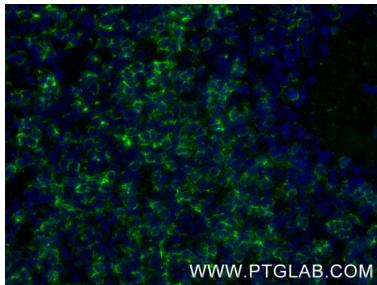
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 86063-2-RR (CD8a antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



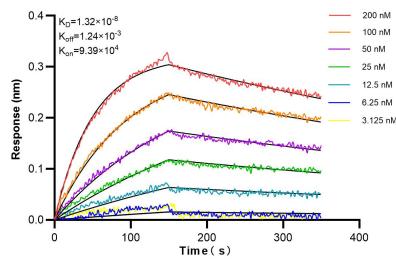
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 86063-2-RR (CD8a antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD8a antibody (86063-2-RR, Clone: 243018F10) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD8a antibody (86063-2-RR, Clone: 243018F10) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 86063-2-RR against Human CD8a were performed. The affinity constant is 13.2 nM.