

# 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
Concentration:	1000 µg/ml	GenID (NCBI):	925	CloneNo.:	243018F10
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000153563	Recommended Dilutions:	IHC: 1:2000-1:8000 IF/ICC: 1:400-1:1600
Isotype:	IgG	UNIPROT ID:	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:

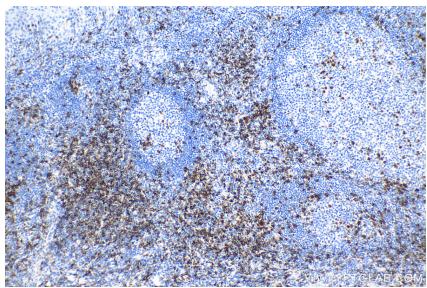
Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

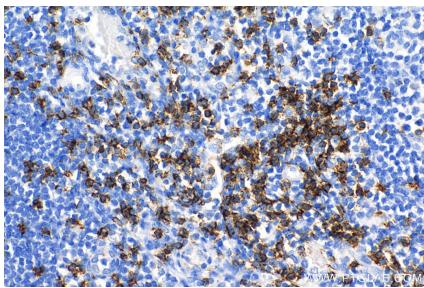
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

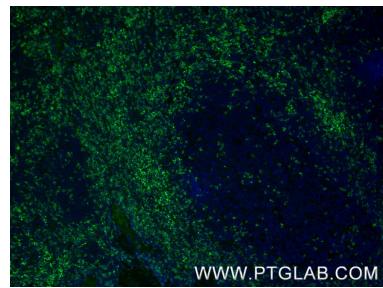
## Selected Validation Data



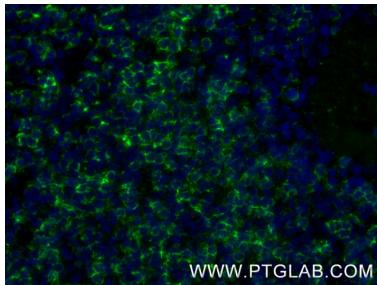
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 86063-2-RR (CD8a antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



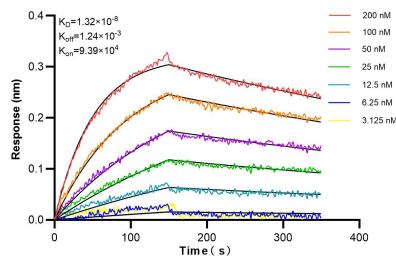
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 86063-2-RR (CD8a antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.