

For Research Use Only

# Anti-Human CD8a (RPA-T8)

Catalog Number: 65144-1-Ig **4 Publications**



## Basic Information

<b>Catalog Number:</b> 65144-1-Ig	<b>GenBank Accession Number:</b> BC025715	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 500ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 925	<b>CloneNo.:</b> RPA-T8
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000153563	
<b>Isotype:</b> IgG1, kappa	<b>UNIPROT ID:</b> P01732	
	<b>Full Name:</b> CD8a molecule	
	<b>Calculated MW:</b> 235 aa, 26 kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
human

**Cited Species:**  
human

## Background Information

CD8 is a transmembrane glycoprotein composed of two disulfide-linked chains. It can be present as a homodimer of CD8a or as a heterodimer of CD8a and CD8β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8aβ heterodimer while CD8aa homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) γδ 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
Ling Ding	34830884	Cancers (Basel)	WB
Mingyang Ding	35867564	J Virol	
Si-Yuan Zhang	34277389	Front Oncol	IHC

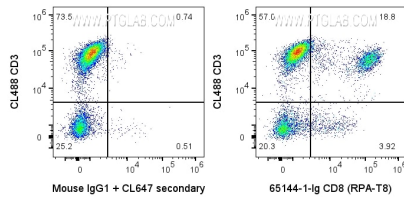
## Storage

**Storage:**  
Store at 2-8°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide.

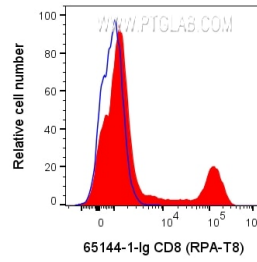
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.2 ug Anti-Human CD8a (RPA-T8) (65144-1-Ig) or 0.2 ug Mouse IgG1 Isotype Control and CoraLite®647-conjugated AffiniPure F(ab')<sub>2</sub> Fragment Goat Anti-Mouse IgG (H+L) (SA00014-8). Cells were then stained with 5 ul CoraLite® Plus 488 Anti-Human CD3 (CL488-65151). Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 0.2 ug Anti-Human CD8a (RPA-T8) (65144-1-Ig) or 0.2 ug Mouse IgG1 Isotype Control and CoraLite®647-conjugated AffiniPure F(ab')<sub>2</sub> Fragment Goat Anti-Mouse IgG (H+L) (SA00014-8). Cells were not fixed. Lymphocytes were gated.