

For Research Use Only

# Anti-Human CD8a Rabbit Recombinant Antibody

Catalog Number: 98470-1-RR



## Basic Information

<b>Catalog Number:</b> 98470-1-RR	<b>GenBank Accession Number:</b> NM_001145873.1	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100ug, 1000 ug/ml	<b>GeneID (NCBI):</b> 925	<b>CloneNo.:</b> 243018G2
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000153563	<b>Recommended Dilutions:</b> FC: 0.125 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P01732-1	
<b>Immunogen Catalog Number:</b> EG0819	<b>Full Name:</b> CD8a molecule	
	<b>Calculated MW:</b> 26 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : human PBMCs,
<b>Species Specificity:</b> human	

## Background Information

CD8 is a transmembrane glycoprotein composed of two disulfide-linked chains. It can be present as a homodimer of CD8 $\alpha$  or as a heterodimer of CD8 $\alpha$  and CD8 $\beta$  (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8 $\alpha$  $\beta$  heterodimer while CD8 $\alpha$  $\alpha$  homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR)  $\gamma$   $\delta$  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).

## Storage

**Storage:**  
Store at 2 - 8°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:

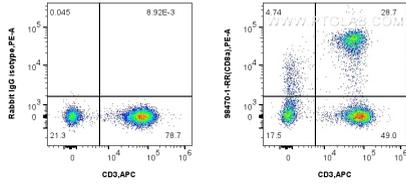
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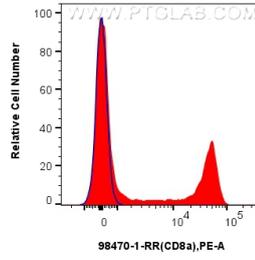
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.125 ug Anti-Human CD8a Rabbit RecAb (98470-1-RR, Clone: 243018G2) or 0.125 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with APC Anti-Human CD3 (OKT3) Mouse IgG2a Recombinant Antibody (APC-65569, Clone: OKT3). Cells were not fixed.



1x10<sup>6</sup> human PBMCs were surface stained with 0.125 ug Anti-Human CD8a Rabbit RecAb (98470-1-RR, Clone: 243018G2) (red) or and 0.125 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.