

For Research Use Only

# Anti-Human CD8a (OKT8) Rabbit Recombinant Antibody



Catalog Number: 65506-1-RR

## Basic Information

<b>Catalog Number:</b> 65506-1-RR	<b>GenBank Accession Number:</b> BC025715	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 925	<b>CloneNo.:</b> OKT8
<b>Source:</b> Rabbit	<b>Full Name:</b> CD8a molecule	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 235 aa, 26 kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
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 CD8aα homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) γ δ 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

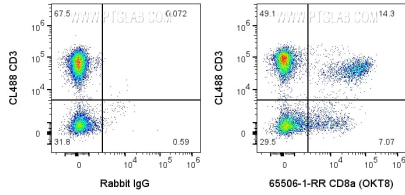
**Storage:**  
Store at 2-8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide.

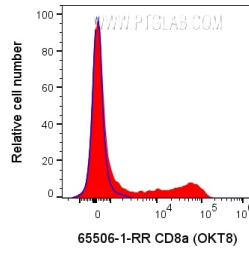
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

## Selected Validation Data



$1 \times 10^6$  human PBMCs were surface stained with 0.1  $\mu$ g Anti-Human CD8a Rabbit Recombinant Antibody (65506-1-RR, Clone:OKT8) (left) and CoraLite®647-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 or 0.1  $\mu$ g Anti-Human CD8a Mouse Monoclonal Antibody (Clone:OKT8) (center and right) and CoraLite®647-Conjugated AffiniPure Donkey Anti-Mouse IgG(H+L) at dilution 1:1000. Cells



$1 \times 10^6$  human PBMCs were surface stained with 0.1  $\mu$ g Anti-Human CD8a Rabbit Recombinant Antibody (65506-1-RR, Clone:OKT8) or Rabbit IgG control PolyAb and CoraLite®647-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000. Cells were not fixed. Lymphocytes were gated.