

For Research Use Only

# PE Anti-Human CD8 (UCHT4)

Catalog Number: PE-65204



## Basic Information

<b>Catalog Number:</b> PE-65204	<b>GenBank Accession Number:</b> BC025715	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100tests, 5 ul/test	<b>GeneID (NCBI):</b> 925	<b>CloneNo.:</b> UCHT4
<b>Source:</b> Mouse	<b>Full Name:</b> CD8a molecule	<b>Excitation/Emission maxima wavelengths:</b> 496 nm, 565 nm / 578 nm
<b>Isotype:</b> IgG2a	<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 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

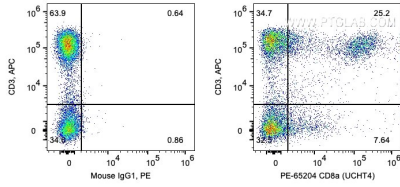
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide and 0.5% BSA.

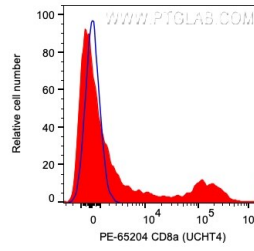
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface co-stained with APC Anti-Human CD3 and 5 ul PE Anti-Human CD8 (PE-65204, Clone:UCHT4) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



1X10<sup>6</sup> human PBMCs were surface stained with 5 ul PE Anti-Human CD8 (PE-65204, Clone:UCHT4) (red) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.