

For Research Use Only

# CoraLite® Plus 647 Anti-Human CD8 (UCHT4)



Catalog Number: **CL647-65204**

## Basic Information

<b>Catalog Number:</b> CL647-65204	<b>GenBank Accession Number:</b> BC025715	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100tests , 5 µl/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> 650 nm / 665 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 CD8α or as a heterodimer of CD8α and CD8β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8αβ heterodimer while CD8αα 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).

## Storage

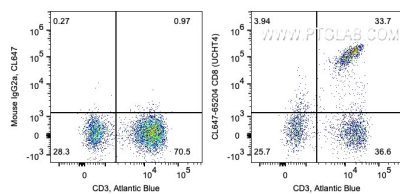
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

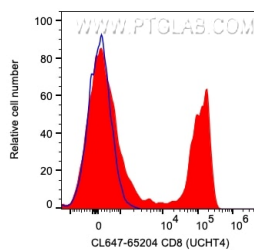
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface co-stained with PacificBlue Anti-Human CD3 and 5 ul CoraLite® Plus 647 Anti-Human CD8 (CL647-65204, Clone: UCHT4), or Mouse IgG2a Isotype Control. Cells were not fixed. Lymphocytes were gated.



1X10<sup>6</sup> human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human CD8 (CL647-65204, Clone: UCHT4), or Mouse IgG2a Isotype Control. Cells were not fixed. Lymphocytes were gated.