

For Research Use Only

# CoraLite®555 Anti-Human CD8 (UCHT4) Mouse IgG2a Recombinant Antibody

Catalog Number: CL555-65559



## Basic Information

Catalog Number:

CL555-65559

Size:

100tests , 5 ul/test

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC025715

GeneID (NCBI):

925

ENSEMBL Gene ID:

ENSG00000153563

UNIPROT ID:

P01732

Full Name:

CD8a molecule

Calculated MW:

235 aa, 26 kDa

Purification Method:

Protein A purification

CloneNo.:

UCHT4

Recommended Dilutions:

FC: 5 ul per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

557 nm / 570 nm

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

## 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 0.09% sodium azide and 0.5% BSA, pH7.3

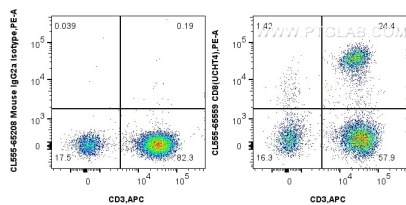
For technical support and original validation data for this product please contact:

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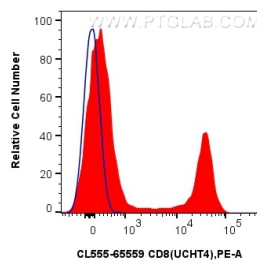
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with APC Anti-Human CD3, and 5 ul CoraLite® 555 Anti-Human CD8 (UCHT4) Mouse IgG2a RecAb (CL555-65559, Clone:UCHT4) or CoraLite® Plus 555 Mouse IgG2a Isotype Control (C1.18.4) (CL555-65208, Clone: C1.18.4). Cells were not fixed.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul CoraLite® 555 Anti-Human CD8 (UCHT4) Mouse IgG2a RecAb (CL555-65559, Clone: UCHT4) (red) or CoraLite® Plus 555 Mouse IgG2a Isotype Control (C1.18.4) (CL555-65208, Clone: C1.18.4) (blue). Cells were not fixed.