

For Research Use Only

CoraLite®594 Anti-Human CD8 (UCHT4) Mouse IgG2a Recombinant Antibody



Catalog Number: **CL594-65559**

Basic Information

| | | |
|---------------------------------------|--|---|
| Catalog Number: CL594-65559 | GenBank Accession Number: BC025715 | Purification Method: Protein A purification |
| Size: 100tests, 5 µl/test | GeneID (NCBI): 925 | CloneNo.: UCHT4 |
| Source: Mouse | ENSEMBL Gene ID: ENSG00000153563 | Excitation/Emission maxima wavelengths: 588 nm / 604 nm |
| Isotype: IgG2a | UNIPROT ID: P01732 | |
| | Full Name: CD8a molecule | |
| | Calculated MW: 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 α or as a heterodimer of CD8 α and CD8 β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8 α β heterodimer while CD8 α α 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. Avoid exposure to light.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

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

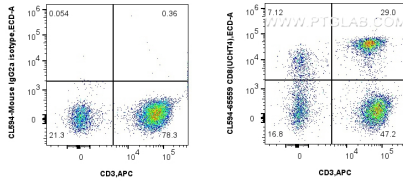
T: 4006900926

E: Proteintech-CN@ptglab.com

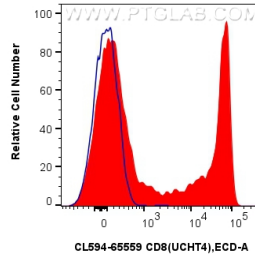
W: ptgcn.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with APC Anti-Human CD3 and 5 ul CoraLite® 594 Anti-Mouse IgG2a Recombinant Antibody (CL594-65559, Clone: UCHT4) (right), or CoraLite® 594 Mouse IgG2a Isotype Control (C1.18.4) (CL594-65208, Clone: C1.18.4) (left). Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® 594 Anti-Human CD8 (UCHT4) Mouse IgG2a Recombinant Antibody (CL594-65559, Clone: UCHT4) (red), or CoraLite® 594 Mouse IgG2a Isotype Control (C1.18.4) (CL594-65208, Clone: C1.18.4) (blue). Cells were not fixed. Lymphocytes were gated.