For Research Use Only

APC Anti-Human CD8 (UCHT4) Mouse IgG2a Recombinant Antibody

Catalog Number:APC-65559

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Basic Information

Catalog Number:
APC-65559

Concentration:
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 10^6 cells in 100 μl suspension

Excitation/Emission maxima wavelengths:
650 nm / 660 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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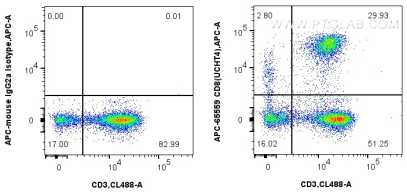
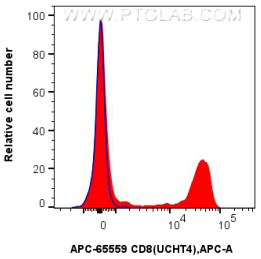
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10^6 human PBMCs were surface stained with CL488 Anti-Human CD3 and 5 ul APC Anti-Human CD8 (UCHT4) Mouse IgG2a Recombinant Antibody (APC-65559, Clone: UCHT4) or APC Mouse IgG2a Isotype Control (C1.18.4) (APC-65208, Clone: C1.18.4). Cells were not fixed. Lymphocytes were gated.



1x10^6 human PBMCs were surface stained with 5 ul APC Anti-Human CD8 (UCHT4) Mouse IgG2a Recombinant Antibody (APC-65559, Clone: UCHT4) (red), or APC Mouse IgG2a Isotype Control (C1.18.4) (APC-65208, Clone: C1.18.4) (blue). Cells were not fixed. Lymphocytes were gated.