

APC-Cyanine7 Anti-Human CD8 (UCHT4) Mouse IgG2a Recombinant Antibody

Catalog Number: AY7-65559

Basic Information

Catalog Number:

AY7-65559

Size:

100 tests, 5 µl/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

Excitation/Emission maxima wavelengths:

650 nm / 778 nm

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

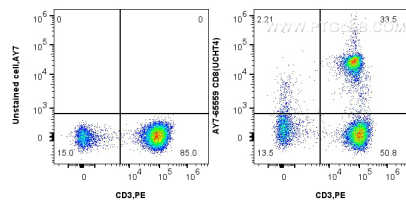
Storage:

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

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA.

Selected Validation Data



1x10⁶ human PBMCs were surface stained with 5 ul APC-Cyanine7 CD8 Recombinant Antibody (AY7-65559, Clone: UCHT4) or unstained. Cells were then stained with 5 ul PE Anti-Human CD3 (UCHT1) (PE-65151, Clone: UCHT1). Cells were not fixed.