

For Research Use Only

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



Catalog Number: **AY7-65559**

Basic Information

Catalog Number: AY7-65559	GenBank Accession Number: BC025715	Purification Method: Protein A purification
Size: 100tests, 5 μ l/test	GeneID (NCBI): 925	CloneNo.: UCHT4
Source: Mouse	ENSEMBL Gene ID: ENSG00000153563	Excitation/Emission maxima wavelengths: 650 nm / 778 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. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

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

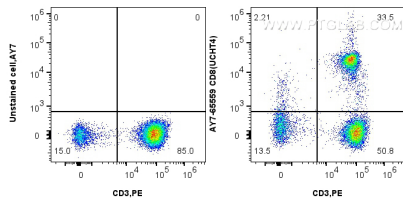
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Selected Validation Data



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.