

For Research Use Only

FITC Plus Anti-Human CD8 (UCHT4) Mouse IgG2a Recombinant Antibody

Catalog Number: FITC-65559



Basic Information

Catalog Number:

FITC-65559

Size:

100 tests, 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

Excitation/Emission maxima

wavelengths:

495 nm / 524 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 $\alpha\beta$ heterodimer while CD8 $\alpha\alpha$ homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) $\gamma\delta$ 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.

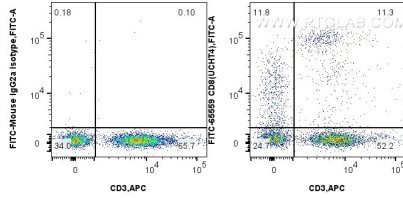
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

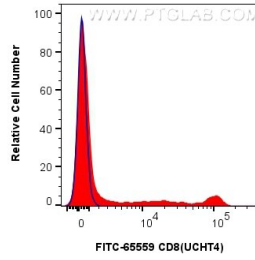
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 5 ul FITC Plus Anti-Human CD8 (UCHT4) Mouse IgG2a Recombinant Antibody (FITC-65559, Clone:UCHT4) or FITC Plus Mouse IgG2a Isotype Control (C1.18.4) (FITC-65208, Clone: C1.18.4). Cells were then co-stained with APC Anti-Human CD3 (UCHT1) (APC-65151, Clone: UCHT1). Cells were not fixed. Lymphocytes were gated.



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