For Research Use Only

## FITC Plus Anti-Human CD8 (UCHT4) Mouse IgG1 Recombinant Antibody



Catalog Number: FITC-65525

**Basic Information** 

Catalog Number:

FITC-65525

Size:

100tests, 5 µl/test

Source: Mouse

Isotype:

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:

Affinity 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  $\alpha$  or as a heterodimer of CD8  $\alpha$  and CD8  $\beta$  (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).

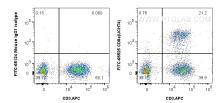
Storage

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.

## Selected Validation Data



1x10^6 human PBMCs were surface stained with 5 ul FITC Plus Anti-Human CD8 Mouse Recombinant Antibody (FITC-65525, Clone: UCHT4) or 5 ul FITC Plus Mouse IgG1 Isotype Control (MOPC-21) (FITC-65124, Clone: MOPC-21), and APC Anti-Human CD3 (OKT3) (APC-65133, Clone: OKT3). Cells were not fixed. Lymphocytes were gated.