

For Research Use Only

# Anti-Human CD3 (UCHT1) Mouse IgG2a Recombinant Antibody, PBS Only

Catalog Number: 65570-1-PBS



## Basic Information

Catalog Number:

65570-1-PBS

Size:

1mg, 2mg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC049847

GeneID (NCBI):

916

ENSEMBL Gene ID:

ENSG00000198851

Full Name:

CD3e molecule, epsilon (CD3-TCR complex)

Calculated MW:

207 aa, 23 kDa

Purification Method:

Protein A purification

CloneNo.:

UCHT1

## Applications

Tested Applications:

FC

Species Specificity:

human

## Background Information

CD3 is a multimeric protein associated with the T-cell receptor (TCR) to form a complex involved in antigen recognition and signal transduction (PMID: 15885124). CD3 is composed of CD3 $\gamma$ ,  $\delta$ ,  $\epsilon$ , and  $\zeta$  chains (PMID: 1826255). It is expressed by thymocytes in a developmentally regulated manner, T cells, and some NK cells (PMID: 3289580). The TCR recognizes antigens bound to major histocompatibility complex (MHC) molecules. TCR-mediated peptide-MHC recognition is transmitted to the CD3 complex, leading to the intracellular signal transduction (PMID: 11985657).

## Storage

Storage:

Store at -80°C. Stable for one year after shipment.

Storage Buffer:

PBS Only

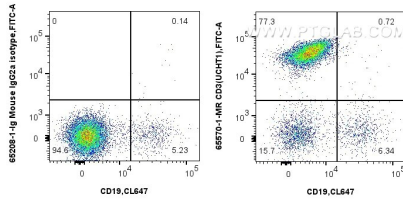
For technical support and original validation data for this product please contact:

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

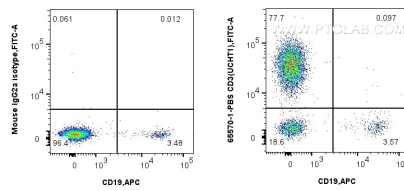
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

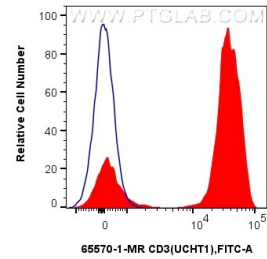
## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD3 Mouse IgG2a Recombinant Antibody (65570-1-MR, Clone: UCHT1) or Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C1.18.4), and CoraLite®488-Conjugated AffiniPure Donkey Anti-Mouse IgG(H+L). Cells were not fixed. Lymphocytes were gated. This data was developed using the same antibody clone with 65570-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> human PBMCs were surface stained with 0.5 ug Anti-Human CD3 (UCHT1) Mouse IgG2a Recombinant Antibody, PBS Only (65570-1-PBS, Clone:UCHT1) or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1). Cells were then stained with APC Anti-Human CD19. Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD3 (UCHT1) Mouse IgG2a Recombinant Antibody (65570-1-MR, Clone: UCHT1) or 0.25 ug Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4), and CoraLite®488-Conjugated AffiniPure Donkey Anti-Mouse IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 65570-1-PBS in a different storage buffer formulation.