

For Research Use Only

PE Anti-Human CD3 (UCHT1) Mouse IgG2a Recombinant Antibody



Catalog Number: PE-65570

Basic Information

Catalog Number: PE-65570	GenBank Accession Number: BC049847	Purification Method: Protein A purification
Size: 100tests , 5 µl/test	GeneID (NCBI): 916	CloneNo.: UCHT1
Source: Mouse	ENSEMBL Gene ID: ENSG00000198851	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Isotype: IgG2a	Full Name: CD3e molecule, epsilon (CD3-TCR complex)	
	Calculated MW: 207 aa, 23 kDa	

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 CD3γ, δ, ε, and ζ 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

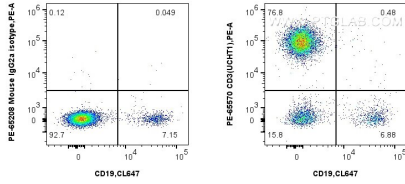
Storage:
Store at 2-8°C. Avoid exposure to light.

Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

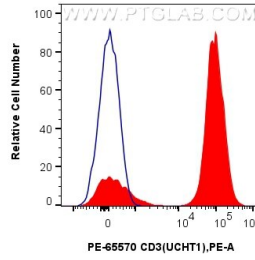
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with CoraLite® Plus 647 Anti-Human CD19 and 5 ul PE Anti-Human CD3 (UCHT1) Mouse IgG2a Recombinant Antibody (PE-65570, Clone: UCHT1), or PE Mouse IgG2a Isotype Control (C1.18.4) (PE-65208, Clone: C1.18.4). Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 5 ul PE Anti-Human CD3 (UCHT1) Mouse IgG2a Recombinant Antibody (PE-65570, Clone: UCHT1) (red), or PE Mouse IgG2a Isotype Control (C1.18.4) (PE-65208, Clone: C1.18.4) (blue). Cells were not fixed. Lymphocytes were gated.