

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	GenBank Accession Number: BC049847	Purification Method: Protein A purification
Size: 1mg, 2 mg/ml	GeneID (NCBI): 916	CloneNo.: UCHT1
Source: Mouse	ENSEMBL Gene ID: ENSG00000198851	
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 CD3 γ , 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 -80°C. Stable for one year after shipment.

Storage Buffer:
PBS Only

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

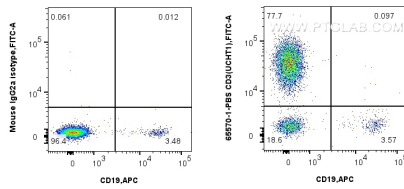
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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 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.