

Anti-Human CD3 (UCHT1) Mouse IgG1 Recombinant Antibody, PBS Only

Catalog Number: ~~65536-1~~ **65536-1-PBS**

Basic Information

Catalog Number: 65536-1-PBS	GenBank Accession Number: BC049847	Purification Method: Affinity purification
Size: 1mg, 2 mg/ml	GeneID (NCBI): 916	CloneNo.: UCHT1
Source: Mouse	ENSEMBL Gene ID: ENSG00000198851	
Isotype: IgG1	Full Name: CD3e molecule, epsilon (CD3-TCR complex)	
	Calculated MW: 207 aa, 23 kDa	

Applications

Tested Applications:
FC

Species Specificity:
Human

Background Information

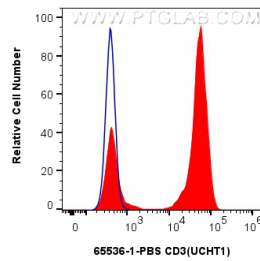
CD3 is a multimeric protein associated with the T-cell receptor (TCR) to form a complex involved in antigen recognition and signal transduction (PMID: 15885124). CD3 is composed of CD3 γ , δ , ϵ , and ζ chains (PMID: 1826255). It is expressed by thymocytes in a developmentally regulated manner, T cells, 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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only

Selected Validation Data



1×10^6 human PBMCs were surface stained with 0.25 μ g Anti-Human CD3 (65536-1-PBS, Clone: UCHT1) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1) (red), or 0.25 μ g Isotype Control and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1) (blue). Cells were not fixed.