

For Research Use Only

Anti-Human CD3 (UCHT1)

Catalog Number: 65151-1-Ig



Basic Information

Catalog Number: 65151-1-Ig	GenBank Accession Number: BC049847	Purification Method: Affinity purification
Size: 500ug, 0.5 mg/ml	GeneID (NCBI): 916	CloneNo.: UCHT1
Source: Mouse	ENSEMBL Gene ID: ENSG00000198851	
Isotype: IgG1, kappa	UNIPROT ID: P07766	
	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 2-8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

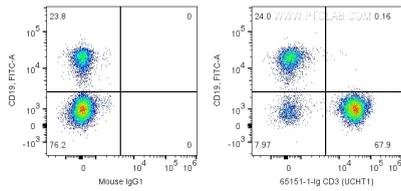
For technical support and original validation data for this product please contact:

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

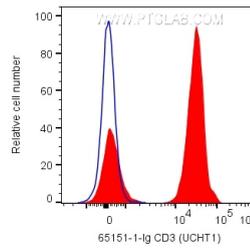
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ human PBMCs were surface co-stained with FITC Anti-Human CD19 and 0.2 ug Anti-Human CD3 (65151-1-Ig, Clone:UCHT1) labeled with FlexAble CoraLite® Plus 647 Antibody Labeling Kit for Mouse IgG1 or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



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