

For Research Use Only

FcZero-rAb™ PE-Cyanine5.5 Anti-Human CD3 (UCHT1) Rabbit IgG Recombinant Antibody

Catalog Number: PY5P5-FcA65570



Basic Information

Catalog Number:	PY5P5-FcA65570	GenBank Accession Number:	BC049847	Purification Method:	Protein A purification
Concentration:	100 tests, 5 μ l/test	GeneID (NCBI):	916	Clone No.:	UCHT1
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000198851	Recommended Dilutions:	FC: 5 μ l per 10^6 cells in a 100 μ l suspension
Isotype:	IgG	UNIPROT ID:	P07766	Excitation/Emission maxima wavelengths:	488 nm, 561 nm / 692 nm
		Full Name:	CD3e molecule, epsilon (CD3-TCR complex)		
		Calculated MW:	207 aa, 23 kDa		

Applications

Tested Applications:	FC	Positive Controls:	
Species Specificity:	human	FC : human PBMCs,	

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. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

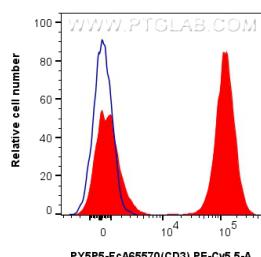
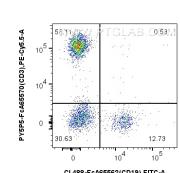
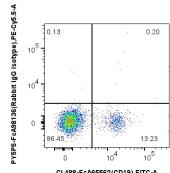
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Selected Validation Data



1×10^6 human PBMCs were surface stained with FcZero-rAb™ CoraLite® Plus 488 Anti-Human CD19 and 5 μ l PE-Cyanine5.5 Anti-Human CD3 (UCHT1) Rabbit IgG RecAb (PY5P5-FcA65570, Clone:UCHT1), or 5 μ l FcZero-rAb™ PE-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (PY5P5-FcA98136, Clone: 240953C9). Cells were not fixed.

1×10^6 human PBMCs were surface stained with 5 μ l PE-Cyanine5.5 Anti-Human CD3 (UCHT1) Rabbit IgG RecAb (PY5P5-FcA65570, Clone:UCHT1) (red), or 5 μ l FcZero-rAb™ PE-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (PY5P5-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.