

For Research Use Only

FcZero-rAb™ CoraLite® Plus 405 Anti-Human CD3 (UCHT1) Rabbit IgG Recombinant Antibody

Catalog Number:**CL405-FcA65570**



Basic Information

Catalog Number:	CL405-FcA65570	GenBank Accession Number:	Purification Method:
Size:	100tests, 5 μ l/test	GenID (NCBI):	Protein A purification
Source:	Rabbit	ENSEMBL Gene ID:	CloneNo.:
Isotype:	IgG	ENSG00000198851	UCHT1
		UNIPROT ID:	Recommended Dilutions:
		P07766	FC: 5 μ l per 10^6 cells in a 100 μ l suspension
		Full Name:	Excitation/Emission maxima wavelengths:
		CD3e molecule, epsilon (CD3-TCR complex)	399 nm / 422 nm
		Calculated MW:	
		207 aa, 23 kDa	

Applications

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

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).

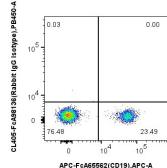
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

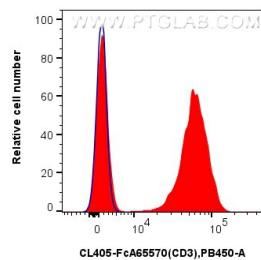
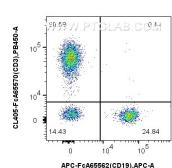
For technical support and original validation data for this product please contact:
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in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with FcZero-rAb™ APC Anti-Human CD19 and 5 ul CoraLite® Plus 405 Anti-Human CD3 (UCHT1) Rabbit IgG RecAb (CL405-FcA65570, Clone:UCHT1), or 5 ul CoraLite® Plus 405 Rabbit IgG Isotype Control RecAb (CL405-FcA98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 405 Anti-Human CD3 (UCHT1) Rabbit IgG RecAb (CL405-FcA65570, Clone:UCHT1) (red), or 5 ul CoraLite® Plus 405 Rabbit IgG Isotype Control RecAb (CL405-FcA98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.