

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:	GenBank Accession Number:	Purification Method:
CL405-FcA65570	BC049847	Protein A purification
Concentration:	GenID (NCBI):	Clone No.:
100 tests, 5 µl/test	916	UCHT1
Source:	ENSEMBL Gene ID:	Recommended Dilutions:
Rabbit	ENSG00000198851	FC: 5 µl per 10 ⁶ cells in a 100 µl suspension
Isotype:	UNIPROT ID:	Excitation/Emission maxima wavelengths:
IgG	P07766	399 nm / 422 nm
	Full Name:	
	CD3e molecule, epsilon (CD3-TCR complex)	
	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).

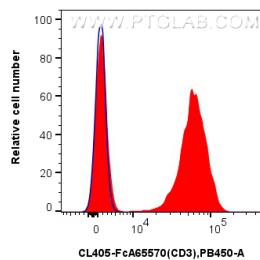
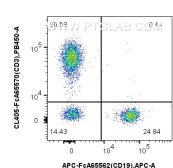
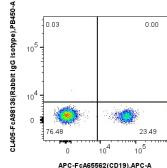
Storage

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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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 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.