

For Research Use Only

# FcZero-rAb™ CoraLite® Plus 594 Anti-Human CD3 (UCHT1) Rabbit IgG Recombinant Antibody

Catalog Number: CL594-FcA65570



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL594-FcA65570	BC049847	Protein A purification
Concentration:	GenID (NCBI):	CloneNo.:
100 tests, 5 µl/test	916	UCHT1
Source:	ENSEMBL Gene ID:	Recommended Dilutions:
Rabbit	ENSG00000198851	FC: 5 µl per 10 <sup>6</sup> cells in a 100 µl suspension
Isotype:	UNIPROT ID:	Excitation/Emission maxima wavelengths:
IgG	P07766	588 nm / 604 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 $\gamma$ ,  $\delta$ ,  $\epsilon$ , and  $\zeta$  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).

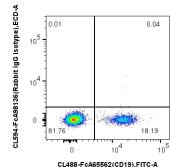
## Storage

**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

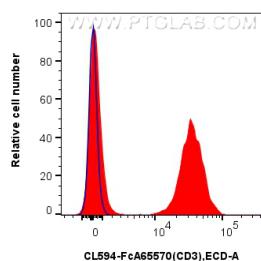
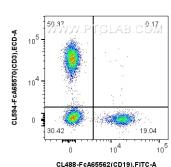
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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## Selected Validation Data



$1 \times 10^6$  human PBMCs were surface stained with FcZero-rAb™ CoraLite® Plus 488 Anti-Human CD19, or 5  $\mu$ l CoraLite®594 Rabbit IgG Isotype Control RecAb (CL594-FcA98136, Clone: 240953C9), and 5  $\mu$ l CoraLite®594 Anti-Human CD3 (UCHT1) Rabbit IgG RecAb (CL594-FcA65570, Clone: UCHT1). Cells were not fixed.



$1 \times 10^6$  human PBMCs were surface stained with 5  $\mu$ l CoraLite®594 Anti-Human CD3 (UCHT1) Rabbit IgG RecAb (CL594-FcA65570, Clone: UCHT1) (red), or 5  $\mu$ l CoraLite®594 Rabbit IgG Isotype Control RecAb (CL594-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.