

For Research Use Only

# FcZero-rAb® CoraLite® Plus 594 Anti-Human CD3 (OKT3) Rabbit Recombinant Antibody



Catalog Number: CL594-FcA65569

## Basic Information

**Catalog Number:**

CL594-FcA65569

**Size:**

100tests , 5 ul/test

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC049847

**GeneID (NCBI):**

916

**ENSEMBL Gene ID:**

ENSG00000198851

**UNIPROT ID:**

P07766

**Full Name:**

CD3e molecule, epsilon (CD3-TCR complex)

**Calculated MW:**

207 aa, 23 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

OKT3

**Recommended Dilutions:**

FC: 5 ul per 10<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maxima wavelengths:**

588 nm / 604 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

human

**Positive Controls:**

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 CD3γ, 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

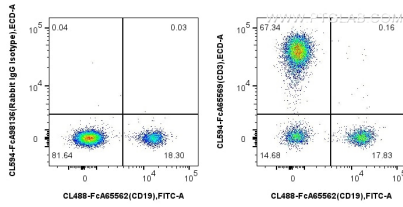
For technical support and original validation data for this product please contact:

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

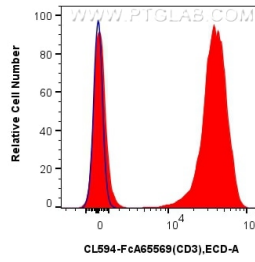
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with FcZero-rAb™ CoraLite® Plus 488 Anti-Human CD19 (4G7), and 5 ul CoraLite® Plus 594 Anti-Human CD3 (OKT3) Rabbit IgG RecAb (CL594-FcA65569, Clone: OKT3) or CoraLite® 594 Rabbit IgG Isotype Control RecAb (CL594-FcA98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul CoraLite® Plus 594 Anti-Human CD3 (OKT3) Rabbit IgG RecAb (CL594-FcA65569, Clone: OKT3) (red) or CoraLite® 594 Rabbit IgG Isotype Control RecAb (CL594-FcA98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.