

For Research Use Only

# FcZero-rAb® PE Anti-Human CD3 Rabbit Recombinant Antibody

Catalog Number: PE-FcA98319-2



## Basic Information

**Catalog Number:**

PE-FcA98319-2

**Concentration:**

100ug, 5 ul / test

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC049847

**GeneID (NCBI):**

916

**ENSEMBL Gene ID:**

ENSG00000198851

**Full Name:**

CD3e molecule, epsilon (CD3-TCR complex)

**Calculated MW:**

207 aa, 23 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

SP34

**Recommended Dilutions:**

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

**Excitation/Emission maxima wavelengths:**

496 nm, 565 nm / 578 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

human, monkey, non-human primates

**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 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:

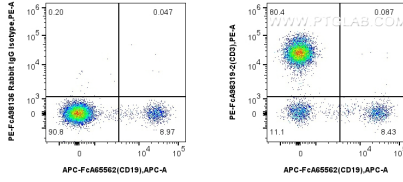
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

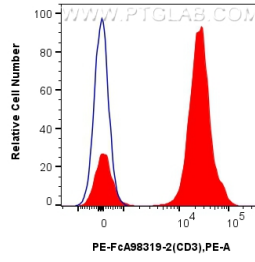
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with FcZero-rAb® APC Anti-Human CD19, and 5 ul PE Anti-Human CD3 Rabbit RecAb (PE-FcA98319-2, Clone:SP34) or FcZero-rAb® PE Rabbit IgG Isotype Control Recombinant Antibody (PE-FcA98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul PE Anti-Human CD3 Rabbit RecAb (PE-FcA98319-2, Clone:SP34) (red) or FcZero-rAb® PE Rabbit IgG Isotype Control Recombinant Antibody (PE-FcA98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.