

For Research Use Only

# FcZero-rAb™ PerCP-Cyanine5.5 Anti-Human CD3 Rabbit Recombinant Antibody

Catalog Number: CPY5-FcA98319-2



## Basic Information

Catalog Number:  
CPY5-FcA98319-2

Size:  
100 tests, 5 µl/test

Source:  
Rabbit

Isotype:  
IgG

GenBank Accession Number:  
BC049847

GeneID (NCBI):  
916

ENSEMBL Gene ID:  
ENSG00000198851

Full Name:  
CD3ε molecule, epsilon (CD3-TCR complex)

Calculated MW:  
207 aa, 23 kDa

Purification Method:  
Protein A purification

CloneNo.:  
SP34

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

Excitation/Emission maxima wavelengths:  
482 nm / 690 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 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).

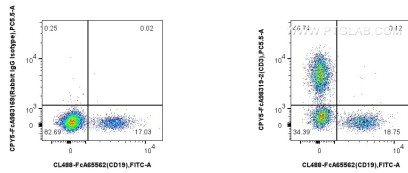
## Storage

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

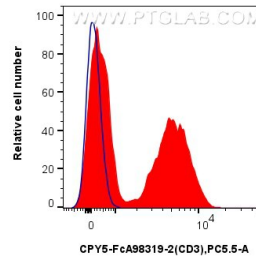
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with FcZero-rAb™ CoraLite® Plus 488 Anti-Human CD19 and 5 ul PerCP-Cyanine5.5 Anti-Human CD3 Rabbit RecAb (CPY5-FcA98319-2, Clone:SP34), or 5 ul FcZero-rAb™ PerCP-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (CPY5-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul PerCP-Cyanine5.5 Anti-Human CD3 Rabbit RecAb (CPY5-FcA98319-2, Clone:SP34) (red), or 5 ul FcZero-rAb™ PerCP-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (CPY5-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.