

For Research Use Only

# FcZero-rAb™ PE Anti-Mouse CD3 (17A2) Rabbit Recombinant Antibody

Catalog Number: PE-FcA65659



## Basic Information

Catalog Number:

PE-FcA65659

Size:

100ug, 200 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC098236

GeneID (NCBI):

12501

UNIPROT ID:

P22646

Full Name:

CD3 antigen, epsilon polypeptide

Purification Method:

Protein A purification

CloneNo.:

17A2

Recommended Dilutions:

FC: 0.1 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maximum wavelengths:

496 nm, 565 nm / 578 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse splenocytes,

## 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

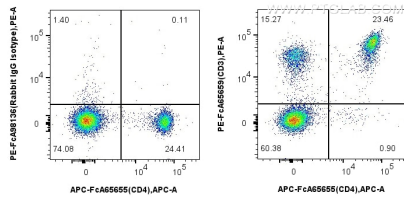
For technical support and original validation data for this product please contact:

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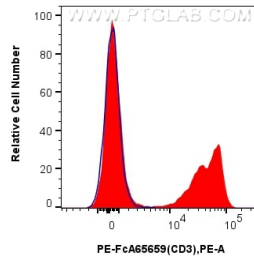
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with FcZero-rAb™ APC Anti-Mouse CD4 (RM4-4), and 0.1 ug PE Anti-Mouse CD3 (17A2) Rabbit IgG RecAb (PE-FcA65659, Clone:17A2) or FcZero-rAb™ PE Rabbit IgG Isotype Control Recombinant Antibody (PE-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.1 ug PE Anti-Mouse CD3 (17A2) Rabbit IgG RecAb (PE-FcA65659, Clone:17A2) (red) or FcZero-rAb™ PE Rabbit IgG Isotype Control Recombinant Antibody (PE-FcA98136, Clone: 240953C9)(blue). Cells were not fixed.