

For Research Use Only

# FcZero-rAb™ PE-CoraLite® Plus 594 Anti-Mouse CD3 (17A2) Rabbit Recombinant Antibody

Catalog Number: PCL594-FcA65659



## Basic Information

Catalog Number:  
PCL594-FcA65659

Size:  
100ug, 200 ug/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 maxima  
wavelengths:  
496 nm, 565 nm / 604 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

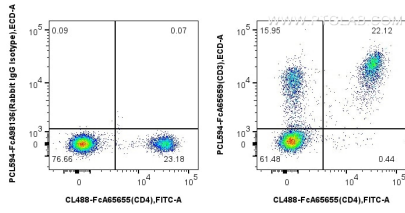
For technical support and original validation data for this product please contact:

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

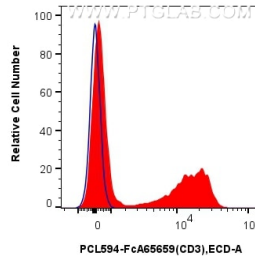
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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> mouse splenocytes were surface stained with FcZero-rAb™ CoraLite® Plus 488 Anti-Mouse CD4 (RM4-4), and 0.1 ug PE-CoraLite® Plus 594 Anti-Mouse CD3 (17A2) Rabbit IgG RecAb (PCL594-FcA65659, Clone:17A2) or FcZero-rAb™ PE-CoraLite® Plus 594 Rabbit IgG Isotype Control Recombinant Antibody (PCL594-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.1 ug PE-CoraLite® Plus 594 Anti-Mouse CD3 (17A2) Rabbit IgG RecAb (PCL594-FcA65659, Clone: 17A2) (red) or FcZero-rAb™ PE-CoraLite® Plus 594 Rabbit IgG Isotype Control Recombinant Antibody (PCL594-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.