

For Research Use Only

# FcZero-rAb™ CoraLite® Plus 488 Anti-Mouse CD3 (17A2) Rabbit IgG Recombinant Antibody

Catalog Number: CL488-FcA65659



## Basic Information

**Catalog Number:**

CL488-FcA65659

**Size:**

100ug, 500 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: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maxima wavelengths:**

493 nm / 522 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, pH7.3

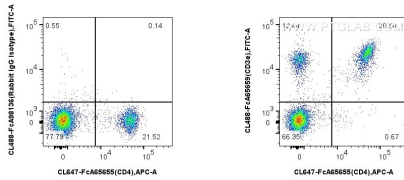
For technical support and original validation data for this product please contact:

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

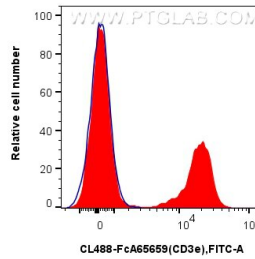
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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 647 Anti-Mouse CD4, and 0.25 ug CoraLite® Plus 488 Anti-Mouse CD3 (17A2) Rabbit IgG RecAb (CL488-FcA65659, Clone: 17A2) or 0.25 ug FcZero-rAb™ CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse CD3 (17A2) Rabbit IgG RecAb (CL488-FcA65659, Clone: 17A2) (red) or 0.25 ug FcZero-rAb™ CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.