

For Research Use Only

# FcZero-rAb® CoraLux Violet 510 Anti-Mouse CD3 (17A2) Rabbit Recombinant Antibody

Catalog Number: CLV510-FcA65659



## Basic Information

<b>Catalog Number:</b> CLV510-FcA65659	<b>GenBank Accession Number:</b> BC098236	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100ug, 500 ug/ml	<b>GeneID (NCBI):</b> 12501	<b>CloneNo.:</b> 17A2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P22646	<b>Recommended Dilutions:</b> FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> CD3 antigen, epsilon polypeptide	<b>Excitation/Emission maxima wavelengths:</b> 410 nm / 501 nm

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : mouse splenocytes,
<b>Species Specificity:</b> mouse	

## 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, pH7.3

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

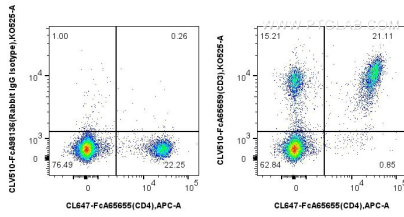
T: 4006900926

E: Proteintech-CN@ptglab.com

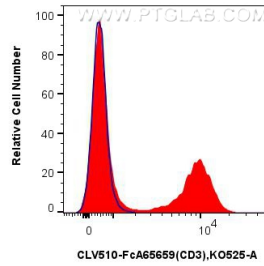
W: ptgcn.com

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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with FcZero-rAb™ CoraLite® Plus 647 Anti-Mouse CD4 (RM4-4), and 0.25 ug CoraLux Violet 510 Anti-Mouse CD3 (17A2) Rabbit IgG RecAb (CLV510-FcA65659, Clone: 17A2) or CoraLux Violet 510 Rabbit IgG Isotype Control RecAb (CLV510-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug CoraLux Violet 510 Anti-Mouse CD3 (17A2) Rabbit IgG RecAb (CLV510-FcA65659, Clone: 17A2) (red) or CoraLux Violet 510 Rabbit IgG Isotype Control RecAb (CLV510-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.