

For Research Use Only

# CoraLite® Plus 647 Anti-Mouse CD3ε (500-A2)

Catalog Number: CL647-65061

1 Publications



## Basic Information

Catalog Number:

CL647-65061

Size:

100ug, 0.5 mg/ml

Source:

Hamster

Isotype:

IgG

GenBank Accession Number:

BC098236

GeneID (NCBI):

12501

UNIPROT ID:

P22646

Full Name:

CD3 antigen, epsilon polypeptide

Purification Method:

Affinity purification

CloneNo.:

500-A2

Recommended Dilutions:

IF/ICC 1:250-1:1000

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

IF/ICC, FC

Species Specificity:

Mouse

Positive Controls:

IF/ICC : 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Minjie Fu	39423817	Cancer Cell	

## Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

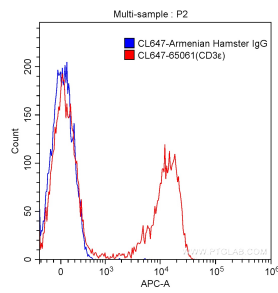
For technical support and original validation data for this product please contact:

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

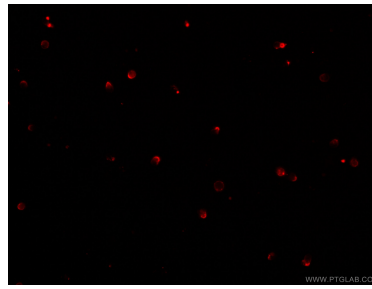
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface stained with 0.3  $\mu$ g CoraLite® Plus 647-conjugated Anti-Mouse CD3 $\epsilon$  (CL647-65061, Clone: 500-A2) (red) or 0.3  $\mu$ g isotype control antibody (blue). Cells were not fixed.



Immunofluorescent analysis of mouse splenocytes using CoraLite® Plus 647-conjugated Anti-Mouse CD3 $\epsilon$  (CL647-65061, Clone: 500-A2) at dilution of 1:500.