

For Research Use Only

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



Catalog Number: CL647-65061

Basic Information

Catalog Number: CL647-65061	GenBank Accession Number: BC098236	Purification Method: Affinity purification
Size: 100ug, 0.5 mg/ml	GeneID (NCBI): 12501	CloneNo.: 500-A2
Source: Hamster	Full Name: CD3 antigen, epsilon polypeptide	Recommended Dilutions: IF 1:250-1:1000
Isotype: IgG		Excitation/Emission maxima wavelengths: 654 nm / 674 nm

Applications

Tested Applications: FC, IF	Positive Controls: IF : mouse splenocytes,
Species Specificity: 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 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).

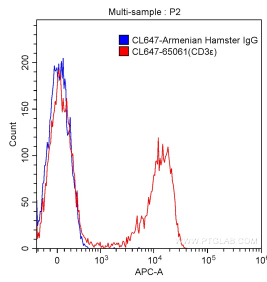
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

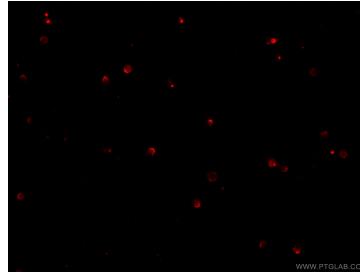
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with 0.3 ug CoraLite® Plus 647-conjugated Anti-Mouse CD3ε (CL647-65061, Clone: 500-A2) (red) or 0.3 ug isotype control antibody (blue). Cells were not fixed.



Immunofluorescent analysis of mouse splenocytes using CoraLite® Plus 647-conjugated Anti-Mouse CD3ε (CL647-65061, Clone: 500-A2) at dilution of 1:500.