

For Research Use Only

# CoraLite® Plus 647 Anti-Mouse CD3ε (145-2C11)



Catalog Number: CL647-65060

## Basic Information

<b>Catalog Number:</b> CL647-65060	<b>GenBank Accession Number:</b> BC098236	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 500 µg/ml	<b>GeneID (NCBI):</b> 12501	<b>CloneNo.:</b> 145-2C11
<b>Source:</b> Hamster	<b>Full Name:</b> CD3 antigen, epsilon polypeptide	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Isotype:</b> IgG		

## Applications

**Tested Applications:**  
FC

**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

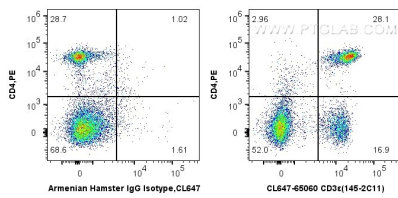
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide.

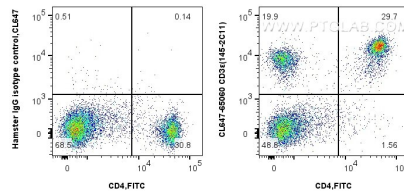
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface co-stained with PE Anti-Mouse CD4 (GK1.5) and 0.5 ug CoraLite® Plus 647 Anti-Mouse CD3ε (CL647-65060, Clone:145-2C11) or 0.5 ug Armenian Hamster IgG isotype Control. Cells were not fixed.



1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface co-stained with 0.25 ug FITC Plus Anti-Mouse CD4 (GK1.5) (FITC-65104, Clone: GK1.5) and 0.5 ug CoraLite® Plus 647 Anti-Mouse CD3ε (CL647-65060, Clone:145-2C11) or 0.5 ug CoraLite® Plus 647 Armenian Hamster IgG Isotype Control (PIP) (CL647-65210, Clone: PIP). Cells were not fixed.