

For Research Use Only

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



Catalog Number: CL647-65060

## Basic Information

Catalog Number:

CL647-65060

Size:

100ug , 500 µg/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.:

145-2C11

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## 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.

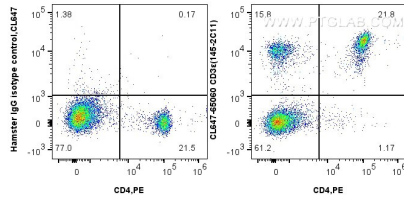
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD3 $\epsilon$  (145-2C11) (CL647-65060, Clone:145-2C11) or 0.25 ug Isotype Control, and 0.25 ug PE Anti-Mouse CD4 (GK1.5) (PE-65104, Clone: GK1.5). Cells were not fixed.