

For Research Use Only

# Anti-Mouse CD3 $\epsilon$ (145-2C11)

Catalog Number: 65060-1-Ig



## Basic Information

Catalog Number:

65060-1-Ig

Size:

500ug, 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.:

145-2C11

Recommended Dilutions:

IF/ICC 1:250-1:1000

## 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 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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

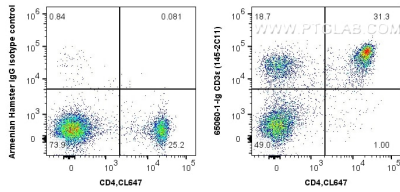
For technical support and original validation data for this product please contact:

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

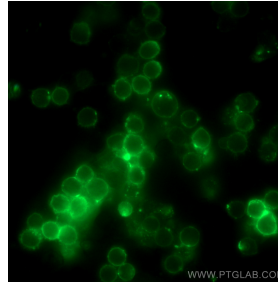
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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 CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5) and 0.5 ug Anti-Mouse CD3ε (65060-1-Ig, Clone:145-2C11) or 0.5 ug Armenian Hamster IgG Isotype Control, and FITC anti-Armenian Hamster IgG antibody at dilution 1:100. Cells were not fixed.



Immunofluorescent analysis of mouse splenocytes using CD3ε antibody (65060-1-Ig, Clone: 145-2C11) at dilution of 1:500 and FITC Goat anti-Hamster(Armenian) IgG.