

For Research Use Only

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

Catalog Number: FITC-65060

9 Publications



## Basic Information

Catalog Number:

FITC-65060

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.:

145-2C11

Excitation/Emission maxima wavelengths:

495 nm / 524 nm

## Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

mouse

Cited Species:

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 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Dingyi Wang	35236203	Drug Deliv	FC
Xudong Fan	36382303	Asian J Pharm Sci	FC
Yang Peng	39073014	Adv Healthc Mater	FC

## 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.

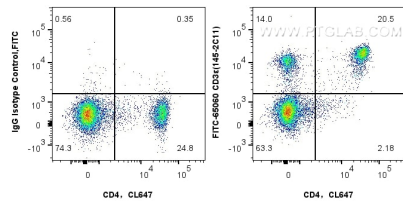
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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.5 ug FITC Plus Anti-Mouse CD3ε (145-2C11) (FITC-65060, Clone: 145-2C11) or 0.5 ug Isotype Control, and 0.5 ug CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5) (CL647-65104, Clone: GK1.5). Cells were not fixed.