For Research Use Only

FITC Plus Anti-Mouse CD3ε (145-2C11)

Catalog Number:FITC-65060 7 Publications

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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 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Dingyi Wang	35236203	Drug Deliv	FC
Xudong Fan	36382303	Asian J Pharm Sci	FC
Qinmei Ma	38016969	Cell Death Discov	FC

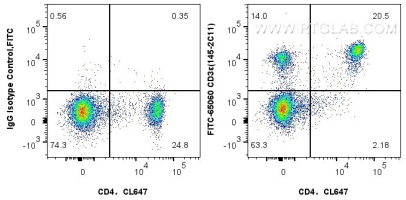
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide.

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



1x10^6 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.