

For Research Use Only

FITC Plus Anti-Mouse CD3 ϵ (145-2C11)



Catalog Number: FITC-65060

7 Publications

Basic Information

Catalog Number: FITC-65060	GenBank Accession Number: BC098236	Purification Method: Affinity purification
Size: 100ug, 0.1 mg/ml	GeneID (NCBI): 12501	CloneNo.: 145-2C11
Source: Hamster	Full Name: CD3 antigen, epsilon polypeptide	Excitation/Emission maxima wavelengths: 495 nm / 524 nm
Isotype: IgG		

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 γ , 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

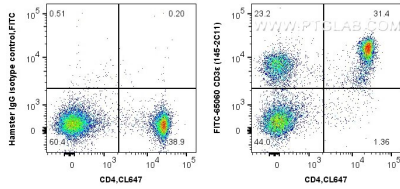
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% 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
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Selected Validation Data



1x10⁶ C57BL/6 mouse splenocytes were surface stained with CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5) and 0.5 µg FITC Anti-Mouse CD3ε (FITC-65060, Clone:145-2C11) or 0.5 µg FITC Armenian Hamster IgG Isotype Control (PIP). Cells were not fixed.