

For Research Use Only

FITC Plus Anti-Mouse CD3 (17A2)

Catalog Number: **FITC-65077** 9 Publications



Basic Information

Catalog Number: FITC-65077	GenBank Accession Number: BC098236	Purification Method: Affinity purification
Size: 100ug , 0.5 mg/ml	GeneID (NCBI): 12501	CloneNo.: 17A2
Source: Rat	UNIPROT ID: P22646	Excitation/Emission maxima wavelengths: 495 nm / 524 nm
Isotype: IgG2b, kappa	Full Name: CD3 antigen, epsilon polypeptide	

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
Yuan Li	36251580	Liver Int	FC
Dongdong Zheng	36382024	Bioact Mater	FC
Li Wu	35344716	Phytomedicine	FC

Storage

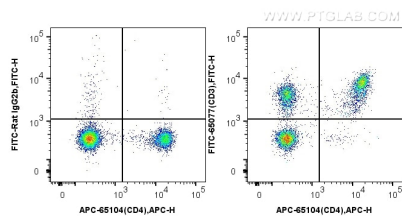
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

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



1X10⁶ mouse splenocytes were surface stained with APC Anti-Mouse CD4 (GK1.5) (APC-65104, Clone: GK1.5) and 1 ug FITC Plus Anti-Mouse CD3 (FITC-65077, Clone: 17A2) or 1 ug isotype control. Cells were not fixed.