

For Research Use Only

# APC Anti-Mouse CD3 (17A2)

Catalog Number: APC-65077 2 Publications



## Basic Information

Catalog Number: APC-65077	GenBank Accession Number: BC098236	Purification Method: Affinity purification
Size: 100ug, 200 µg/ml	GeneID (NCBI): 12501	CloneNo.: 17A2
Source: Rat	UNIPROT ID: P22646	Excitation/Emission maxima wavelengths: 650 nm / 660 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  $\gamma$ ,  $\delta$ ,  $\epsilon$ , 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
Lian Zhu	36321642	J Mater Chem B	FC
Zhuo Cheng	37544392	Acta Biomater	FC

## Storage

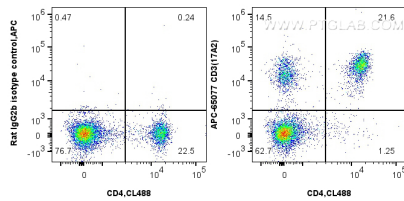
Storage:  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:  
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.1 ug APC Anti-Mouse CD3 (17A2) (APC-65077, Clone:17A2) or 0.1 ug APC Rat IgG2b Isotype Control (LTF-2) (APC-65211, Clone: LTF-2), and 0.1 ug CoraLite® Plus 488 Anti-Mouse CD4 (GK1.5) (CL488-65104, Clone: GK1.5). Cells were not fixed.