

For Research Use Only

# PE Anti-Mouse CD3 (17A2)

Catalog Number: PE-65077 **7 Publications**



## Basic Information

<b>Catalog Number:</b> PE-65077	<b>GenBank Accession Number:</b> BC098236	<b>Purification Method:</b> Affinity purification
<b>Concentration:</b> 100ug, 0.1 mg/ml	<b>GeneID (NCBI):</b> 12501	<b>CloneNo.:</b> 17A2
<b>Source:</b> Rat	<b>UNIPROT ID:</b> P22646	<b>Excitation/Emission maxima wavelengths:</b> 496 nm, 565 nm / 578 nm
<b>Isotype:</b> IgG2b, kappa	<b>Full Name:</b> 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
Yanan Sun	36203955	Bioact Mater	FC
Yiwei Zhang	35226255	Sci China Life Sci	FC
Pu Wang	39859511	Int J Mol Sci	FC

## Storage

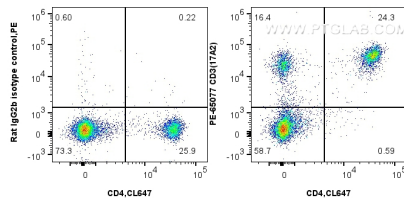
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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 0.2 ug PE Anti-Mouse CD3 (17A2) (PE-65077, Clone:17A2) or 0.2 ug PE Rat IgG2b Isotype Control (LTF-2) (PE-65211, Clone: LTF-2), and 0.2 ug CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5) (CL647-65104, Clone: GK1.5). Cells were not fixed.