

For Research Use Only

# Anti-Mouse CD3 (17A2)

Catalog Number: 65077-1-Ig



## Basic Information

<b>Catalog Number:</b> 65077-1-Ig	<b>GenBank Accession Number:</b> BC098236	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 500ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 12501	<b>CloneNo.:</b> 17A2
<b>Source:</b> Rat	<b>UNIPROT ID:</b> P22646	
<b>Isotype:</b> IgG2b, kappa	<b>Full Name:</b> CD3 antigen, epsilon polypeptide	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
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).

## Storage

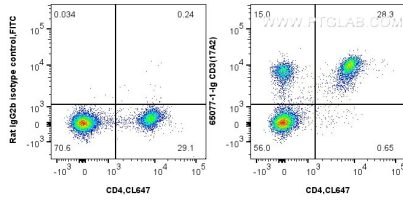
**Storage:**  
Store at 2-8°C. Stable for one year after shipment.

**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

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## Selected Validation Data



1x10<sup>6</sup> C57BL/6 mouse splenocytes were surface stained with 0.5 ug Anti-Mouse CD3 (17A2) (65077-1-Ig, Clone:17A2) or 0.5 ug Rat IgG2b Isotype Control (LTF-2) (65211-1-Ig, Clone: LTF-2) and FITC anti-Rat IgG2b Antibody, and 0.5 ug CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5) (CL647-65104, Clone: GK1.5). Cells were not fixed.