

For Research Use Only

# Anti-Mouse CD3 $\epsilon$ (500-A2)

Catalog Number: 65061-1-Ig



## Basic Information

Catalog Number:	65061-1-Ig	GenBank Accession Number:	BC098236	Purification Method:	Affinity purification
Size:	500ug, 0.5 mg/ml	GeneID (NCBI):	12501	CloneNo.:	500-A2
Source:	Hamster	UNIPROT ID:	P22646		
Isotype:	IgG	Full Name:	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 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).

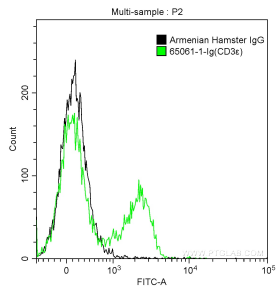
## Storage

Storage:  
Store at 2-8°C. Stable for one year after shipment.  
Storage Buffer:  
Borate buffered saline, pH 8.2.

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



1X10<sup>6</sup> mouse splenocytes were surface stained with 0.5 ug Anti-Mouse CD3ε (65061-1-Ig, Clone: 500-A2) and FITC Goat anti-hamster (Armenian) IgG Antibody at dilution 1:200 (green), or stained with 0.5 ug Armenian Hamster IgG isotype Control and FITC Goat anti-hamster (Armenian) IgG Antibody at dilution 1:200 (black). Cells were not fixed.