

For Research Use Only

# APC Anti-Human CD3 (OKT3)

Catalog Number: APC-65133



## Basic Information

<b>Catalog Number:</b> APC-65133	<b>GenBank Accession Number:</b> BC049847	<b>CloneNo.:</b> OKT3
<b>Size:</b> 100tests, 5 µl(0.125µg)/test	<b>GeneID (NCBI):</b> 916	
<b>Source:</b> Mouse	<b>Full Name:</b> CD3e molecule, epsilon (CD3-TCR complex)	
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 207 aa, 23 kDa	
<b>Purification Method:</b> Affinity purification		
<b>Immunogen Catalog Number:</b>		

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Human

## 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. Avoid exposure to light.

**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:

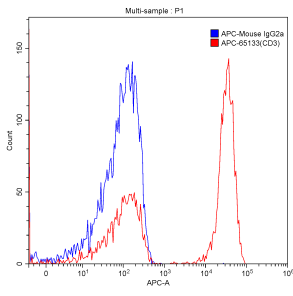
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> human peripheral blood lymphocytes were surface stained with 5 ul APC Anti-Human CD3 (APC-65133, Clone:OKT3) (red) or 0.125 ug isotype control antibody (blue). Cells were not fixed.