

For Research Use Only



# Anti-Human CD3 (OKT3) Rabbit Recombinant Antibody, PBS only

Catalog Number: 65504-1-PBS

## Basic Information

Catalog Number: 65504-1-PBS	GenBank Accession Number: BC049847	Purification Method: Affinity purification
Size: 1mg, 1 mg/ml	GeneID (NCBI): 916	CloneNo.: OKT3
Source: Rabbit	ENSEMBL Gene ID: ENSG00000198851	
Isotype: IgG	Full Name: CD3e molecule, epsilon (CD3-TCR complex)	
	Calculated MW: 207 aa, 23 kDa	

## 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).

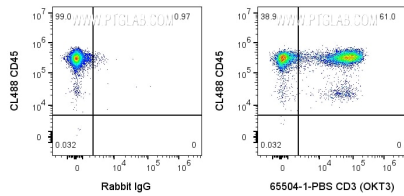
## Storage

Storage:  
Store at -80°C. Stable for one year after shipment.  
Storage Buffer:  
PBS only

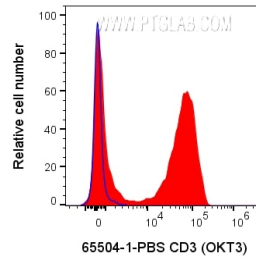
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## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface stained with 0.2 ug Anti-Human CD3 Rabbit Recombinant Antibody (65504-1-PBS, Clone:OKT3) or Rabbit IgG control PolyAb, and CoraLite®647-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000. Cells were then stained with CL488 Anti-Human CD45. Cells were not fixed. Lymphocytes were gated.



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