

## PE Anti-Human CD3 (OKT3)

Catalog Number: PE-65133

3 Publications

## Basic Information

## Catalog Number:

PE-65133

## Size:

100 tests, 5 µl/test

## Source:

Mouse

## Isotype:

IgG2a, kappa

## GenBank Accession Number:

BC049847

## GeneID (NCBI):

916

## ENSEMBL Gene ID:

ENSG00000198851

## UNIPROT ID:

P07766

## Full Name:

CD3e molecule, epsilon (CD3-TCR complex)

## Calculated MW:

207 aa, 23 kDa

## Purification Method:

Affinity purification

## CloneNo.:

OKT3

## Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

## Applications

## Tested Applications:

FC

## Cited Applications:

FC

## Species Specificity:

Human

## Cited Species:

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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Cheng Huang	36403209	Adv Sci (Weinh)	FC
Guopin Pan	35131482	Pharmacol Res	FC
Yuan-Hao Wu	27875659	DNA Cell Biol	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.

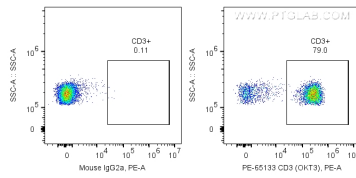
For technical support and original validation data for this product please contact:

T: 4006900926

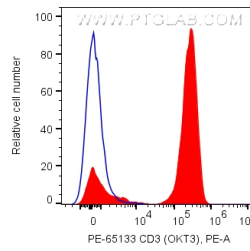
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface stained with 5 ul PE Anti-Human CD3 (PE-65133, Clone:OKT3), or Mouse IgG2a Isotype Control. Cells were not fixed. Lymphocytes were gated.



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