

For Research Use Only

FcZero-rAb™ PE Anti-Human CD3 (OKT3) Rabbit IgG Recombinant Antibody

Catalog Number: PE-FcA65569



Basic Information

Catalog Number: PE-FcA65569	GenBank Accession Number: BC049847	Purification Method: Protein A purification
Size: 100tests, 5 ul/test	GeneID (NCBI): 916	CloneNo.: OKT3
Source: Rabbit	ENSEMBL Gene ID: ENSG00000198851	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
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 γ , 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. 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:

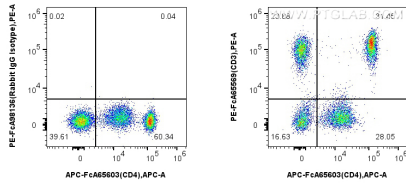
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human PBMCs were surface stained with 5 ul PE Anti-Human CD3 (OKT3) Rabbit IgG Recombinant Antibody (PE-FcA65569, Clone: OKT3), and 5 ul APC Anti-Human CD8a (OKT8) Rabbit IgG Recombinant Antibody (APC-FcA65506, Clone: OKT8), and 5 ul PE Rabbit IgG Isotype Control Recombinant Antibody (PE-98136, Clone: 240953C9). Cells were not fixed.