

For Research Use Only

Biotin Anti-Human CD3 (OKT3) Mouse IgG2a Recombinant Antibody



Catalog Number: Biotin-65569

Basic Information

Catalog Number: Biotin-65569	GenBank Accession Number: BC049847	Purification Method: Protein A purification
Size: 100ug , 500 µg/ml	GeneID (NCBI): 916	CloneNo.: OKT3
Source: Mouse	ENSEMBL Gene ID: ENSG00000198851	
Isotype: IgG2a	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 CD3γ, 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

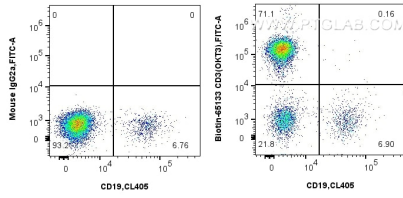
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

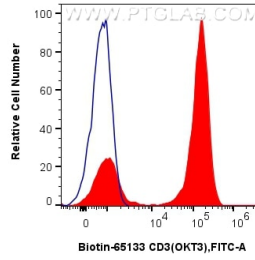
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin CD3 Recombinant Antibody (Biotin-65569, Clone: OKT3) or 0.25 ug Isotype Control, and CoraLite®488-conjugated streptavidin. Cells were then stained with CoraLite® Plus 405 Anti-Human CD19. Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin CD3 Recombinant Antibody (Biotin-65569, Clone: OKT3) and CoraLite®488-conjugated streptavidin (red) or 0.25 ug Isotype Control and CoraLite®488-conjugated streptavidin (blue). Cells were not fixed. Lymphocytes were gated.