

For Research Use Only

CoraLite® Plus 647 Anti-Human CD3 (OKT3)



Catalog Number: **CL647-65133**

Basic Information

Catalog Number: CL647-65133	GenBank Accession Number: BC049847	Purification Method: Affinity purification
Size: 100tests , 5 µl/test	GeneID (NCBI): 916	CloneNo.: OKT3
Source: Mouse	Full Name: CD3e molecule, epsilon (CD3-TCR complex)	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG2a, kappa	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).

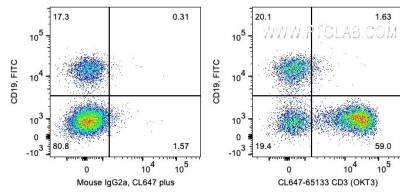
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

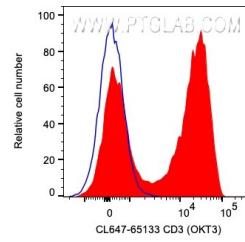
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ human PBMCs were surface co-stained with FITC plus Anti-Human CD19 and 5 ul CoraLite® Plus 647 Anti-Human CD3 (CL647-65133, Clone:OKT3) or Mouse IgG2a Isotype Control. Cells were not fixed. Lymphocytes were gated.



1X10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human CD3 (CL647-65133, Clone:OKT3) (red) or Mouse IgG2a Isotype Control. Cells were not fixed. Lymphocytes were gated.