

For Research Use Only

Anti-Human CD3 (OKT3) Mouse IgG2a Recombinant Antibody



Catalog Number: 65569-1-MR

Basic Information

Catalog Number:

65569-1-MR

Size:

100ug, 1000 μ g/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC049847

GeneID (NCBI):

916

ENSEMBL Gene ID:

ENSG00000198851

Full Name:

CD3e molecule, epsilon (CD3-TCR complex)

Calculated MW:

207 aa, 23 kDa

Purification Method:

Protein A purification

CloneNo.:

OKT3

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

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

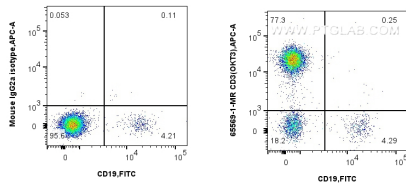
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.5 ug Anti-Human CD3 (OKT3) Mouse Recombinant Antibody (65569-1-MR, Clone: OKT3) or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4), and CoraLite®647-conjugated AffiniPure F(ab')₂ Fragment Goat Anti-Mouse IgG (H+L). Cells were then stained with FITC Plus Anti-Human CD19. Cells were not fixed. Lymphocytes were gated.