

For Research Use Only

Biotin Anti-Human CD3 (UCHT1) Mouse IgG2a Recombinant Antibody



Catalog Number: Biotin-65570

Basic Information

| | | |
|--|---|---|
| Catalog Number: Biotin-65570 | GenBank Accession Number: BC049847 | Purification Method: Protein A purification |
| Size: 100ug , 500 µg/ml | GeneID (NCBI): 916 | CloneNo.: UCHT1 |
| 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.

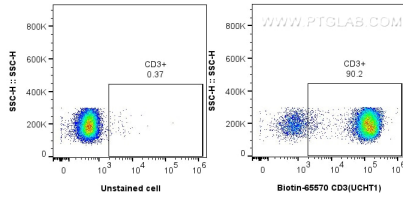
For technical support and original validation data for this product please contact:

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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 Biotin CD3 Recombinant Antibody (Biotin-65570, Clone: UCHT1) and PE conjugated streptavidin or unstained. Cells were not fixed.