For Research Use Only

PE Anti-Human CD3 (UCHT1)

Catalog Number: PE-65151



Basic Information

Catalog Number:

PE-65151

Size:

100tests, 5 $\,\mu$ l/test

Source: Mouse

Isotype: IgG1, kappa

UNIPROT ID: P07766 Full Name:

CD3e molecule, epsilon (CD3-TCR

GenBank Accession Number:

BC049847

916

GeneID (NCBI):

ENSEMBL Gene ID:

ENSG00000198851

complex) Calculated MW: 207 aa, 23 kDa

Purification Method: Affinity purification

CloneNo.: UCHT1

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

Species Specificity:

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: $\textbf{1826255)}. \ \textbf{It is expressed by thy mocytes in a developmentally regulated manner, T cells, and some NK cells (PMID: PMID: PMI$ 3289580). The TCR recognizes antigens bound to major histocompatibility complex (MHC) molecules. TCRmediated peptide-MHC recognition is transmitted to the CD3 complex, leading to the intracellular signal transduction (PMID: 11985657).

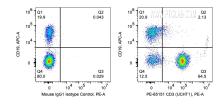
Storage

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

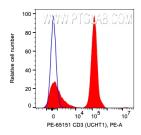
Storage Buffer

PBS with 0.09% sodium azide and 0.5% BSA.

Selected Validation Data



1X10^6 human PBMCs were surface co-stained with APC Anti-Human CD19 and 5 ul PE Anti-Human CD3 (PE-65151, Clone:UCHT1) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



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