# Anti-Human CD3 (UCHT1)

Catalog Number:65151-1-Ig

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## Basic Information

**Catalog Number:**
65151-1-Ig

**Size:**
100ug, 0.5 mg/ml

**Source:**
Mouse

**Isotype:**
IgG1, kappa

**GenBank Accession Number:**
BC049847

**GeneID (NCBI):**
916

**ENSEMBL Gene ID:**
ENSG00000198851

**UNIPROT ID:**
P07766

**Full Name:**
CD3e molecule, epsilon (CD3-TCR complex)

**Calculated MW:**
207 aa, 23 kDa

**Purification Method:**
Affinity purification

**CloneNo.:**
UCHT1

## 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$\gamma$, $\delta$, $\varepsilon$, and $\zeta$ 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℃. Stable for one year after shipment.
**Storage Buffer:**
PBS with 0.09% sodium azide.
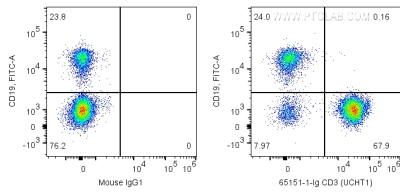
1X10^6 human PBMCs were surface co-stained with FITC Anti-Human CD19 and 0.2 ug Anti-Human CD3 (65151-1-Ig, Clone:UCHT1) labeled with FlexAble CoraLite® Plus 647 Antibody Labeling Kit for Mouse IgG1 or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.
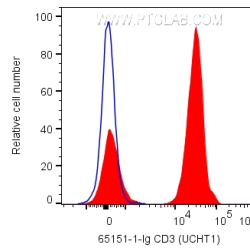


1X10^6 human PBMCs were surface stained with 0.2 ug Anti-Human CD3 (65151-1-Ig, Clone:UCHT1) labeled with FlexAble CoraLite® Plus 647 Antibody Labeling Kit for Mouse IgG1 or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.