

For Research Use Only

# CoraLite®488 Anti-Human CD3 (UCHT1)



Catalog Number: **CL488-65151**

## Basic Information

Catalog Number:

CL488-65151

Size:

100tests , 5 µl/test

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

BC049847

GeneID (NCBI):

916

Full Name:

CD3e molecule, epsilon (CD3-TCR complex)

Calculated MW:

207 aa, 23 kDa

Purification Method:

Affinity purification

CloneNo.:

UCHT1

Excitation/Emission maxima wavelengths:

488 nm/515 nm

## 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.

Storage Buffer:

PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

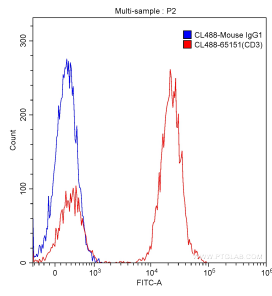
For technical support and original validation data for this product please contact:

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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



1X10<sup>6</sup> human peripheral blood lymphocytes were surface stained with 5.00 ul/test CoraLite®488-conjugated Anti-Human CD3 (CL488-65151, Clone: UCHT1) (red) or CoraLite®488-conjugated Mouse IgG1 isotype control (blue). Cells were not fixed.