

For Research Use Only

# CoraLite® Plus 488 Anti-Human CD3 (Hit3a)



Catalog Number: **CL488-65112**

## Basic Information

**Catalog Number:**

CL488-65112

**Size:**

100tests, 5 µl/test

**Source:**

Mouse

**Isotype:**

IgG2a, 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.:**

Hit3a

**Excitation/Emission maxima wavelengths:**

493 nm / 522 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. Stable for one year after shipment.

**Storage Buffer:**

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

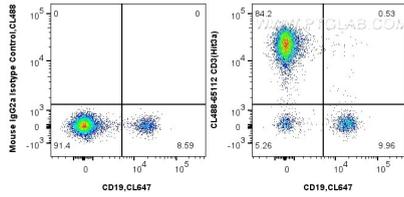
For technical support and original validation data for this product please contact:

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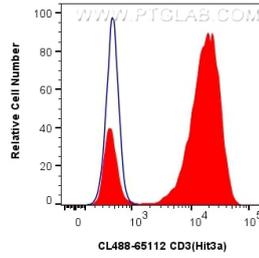
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**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 PBMCs were surface stained with 5 ul CoraLite® Plus 488 Anti-Human CD3 (Hit3a) (CL488-65112, Clone: Hit3a) or CoraLite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C1.18.4). Cells were co-stained with Anti-Human CD19. Cells were not fixed.



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