

For Research Use Only

# Anti-Human CD3 (Hit3a)

Catalog Number: 65112-1-Ig



## Basic Information

Catalog Number:

65112-1-Ig

Size:

100ug, 0.5 mg/ml

Source:

Mouse

Isotype:

IgG2a

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.:

Hit3a

## Applications

Tested Applications:

FC, ELISA

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 $\gamma$ ,  $\delta$ ,  $\epsilon$ , 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°C.

Storage Buffer:

Phosphate based buffer with 0.09% sodium azide, pH 7.2.

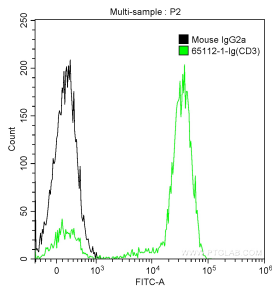
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1X10<sup>6</sup> human peripheral blood lymphocytes were surface stained with 0.5 ug Anti-Human CD3 (65112-1-Ig, Clone: Hit3a) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), or 0.5 ug Mouse IgG2a Isotype Control and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (black). Samples were not fixed.