

For Research Use Only

FITC Anti-human CD3 (Hit3a)

Catalog Number: FITC-65112



Basic Information

Catalog Number: FITC-65112	GenBank Accession Number: BC049847	Purification Method: Affinity purification
Size: 100ug, Concentration: 5 µl(0.5µg)/test by Bradford method using BSA as the standard;	GeneID (NCBI): 916	CloneNo.: Hit3a
Source: Mouse	Full Name: CD3e molecule, epsilon (CD3-TCR complex)	
Isotype: IgG2a	Calculated MW: 207 aa, 23 kDa	

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:
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

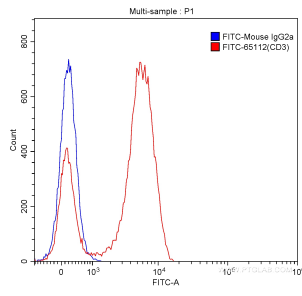
For technical support and original validation data for this product please contact:

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Selected Validation Data



1X10⁶ human peripheral blood lymphocytes were surface stained with 5.00 ul/test FITC-anti-human CD3 (FITC-65112, Clone: Hit3a) (red) or 0.5 ug FITC-mouse IgG2a isotype control (blue). Samples were not fixed.