

For Research Use Only

Anti-Human CD3 (Hit3a)

Catalog Number: 65112-1-Ig



Basic Information

Catalog Number: 65112-1-Ig	GenBank Accession Number: BC049847	Purification Method: Affinity purification
Size: 500ug, 0.5 mg/ml	GeneID (NCBI): 916	CloneNo.: Hit3a
Source: Mouse	Full Name: CD3e molecule, epsilon (CD3-TCR complex)	
Isotype: IgG2a, kappa	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).

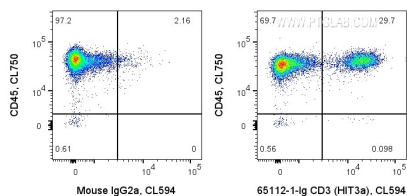
Storage

Storage:
Store at 2-8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide.

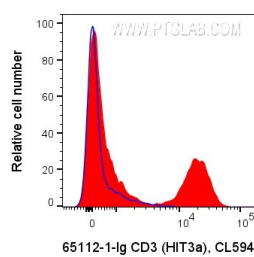
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
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Selected Validation Data



1X10⁶ human PBMCs were surface stained with 0.2 ug Anti-Human CD3 (65112-1-Ig, Clone:Hit3a) or Mouse IgG2a Isotype Control and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:500, then CL750 Anti-Human CD45. Cells were not fixed. Lymphocytes were gated.



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