

Anti-Human CD3 (SK7)

Catalog Number: 65148-1-Ig

Basic Information

Catalog Number: 65148-1-Ig	GenBank Accession Number: BC049847	Purification Method: Affinity purification
Size: 100ug, 500 µg/ml	GeneID (NCBI): 916	CloneNo.: SK7
Source: Mouse	ENSEMBL Gene ID: ENSG00000198851	
Isotype: IgG1, kappa	Full Name: CD3e molecule, epsilon (CD3-TCR complex)	
	Calculated MW: 207 aa, 23 kDa	

Applications

Tested Applications:
FC

Species Specificity:
Human

Background Information

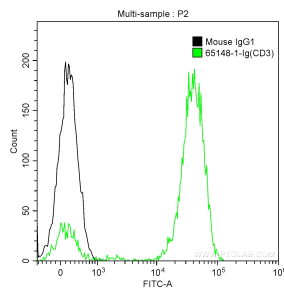
CD3 is a multimeric protein associated with the T-cell receptor (TCR) to form a complex involved in antigen recognition and signal transduction (PMID: 15885124). CD3 is composed of CD3 γ , δ , ϵ , and ζ chains (PMID: 1826255). It is expressed by thymocytes in a developmentally regulated manner, T cells, 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 0.1% sodium azide, pH 7.3.

Selected Validation Data



1X10⁶ human peripheral blood lymphocytes were surface stained with 1 ug Anti-Human CD3 (65148-1-Ig, Clone: SK7) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), or stained with 1 ug isotype control and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (black). Cells were not fixed.