

For Research Use Only

# Anti-Human CD3 (SK7)

Catalog Number: 65148-1-Ig



## Basic Information

|                                      |   |  |
|--------------------------------------|---|--|
| <b>Catalog Number:</b><br>65148-1-Ig | <b>GenBank Accession Number:</b><br>BC049847                  | <b>Purification Method:</b><br>Affinity purification |
| <b>Size:</b><br>100ug, 500 µg/ml     | <b>GeneID (NCBI):</b><br>916                                  | <b>CloneNo.:</b><br>SK7                              |
| <b>Source:</b><br>Mouse              | <b>ENSEMBL Gene ID:</b><br>ENSG00000198851                    |  |
| <b>Isotype:</b><br>IgG1, kappa       | <b>Full Name:</b><br>CD3e molecule, epsilon (CD3-TCR complex) |  |
|                                      | <b>Calculated MW:</b><br>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  $\gamma$ ,  $\delta$ ,  $\epsilon$ , 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. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.1% sodium azide, pH 7.3.

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

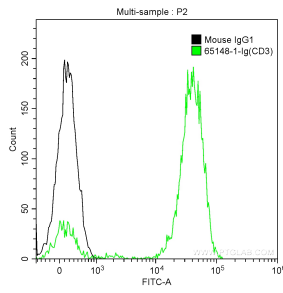
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.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 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.