For Research Use Only

Anti-Mouse CD3 (17A2)

Catalog Number:65077-1-Ig

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
65077-1-Ig

Concentration:
500ug, 0.5 mg/mL

Source:
Rat

Isotype:
IgG2b, kappa

GenBank Accession Number:
BC098236

GeneID (NCBI):
12501

UNIPROT ID:
P22646

Full Name:
CD3 antigen, epsilon polypeptide

Purification Method:
Affinity purification

CloneNo.:
17A2

Recommended Dilutions:
FC: 0.5 ug per 10^6 cells in 100 μl suspension

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : C57BL/6 mouse splenocytes,

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).

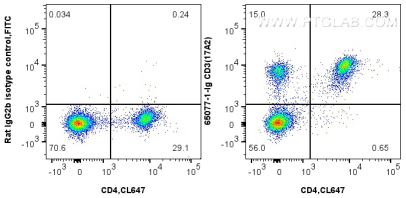
Storage

Storage:
Store at 2-8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10^6 C57BL/6 mouse splenocytes were surface stained with 0.5 ug Anti-Mouse CD3 (17A2) (65077-1-Ig, Clone:17A2) or 0.5 ug Rat IgG2b Isotype Control (LTF-2) (65211-1-Ig, Clone: LTF-2) and FITC anti-Rat IgG2b Antibody, and 0.5 ug CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5) (CL647-65104, Clone: GK1.5). Cells were not fixed.