

For Research Use Only

APC Anti-Mouse CD3 ϵ (500-A2)

Catalog Number: APC-65061



Basic Information

Catalog Number:

APC-65061

Size:

100 μ g, 0.1 mg/ml

Source:

Hamster

Isotype:

IgG

GenBank Accession Number:

BC098236

GeneID (NCBI):

12501

UNIPROT ID:

P22646

Full Name:

CD3 antigen, epsilon polypeptide

Purification Method:

Affinity purification

CloneNo.:

500-A2

Excitation/Emission maxima
wavelengths:

650 nm / 660 nm

Applications

Tested Applications:

FC

Species Specificity:

Mouse

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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and a stabilizer.

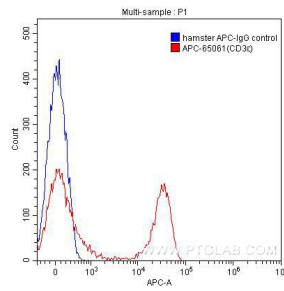
For technical support and original validation data for this product please contact:

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E: proteintech@ptglab.com
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Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with 0.20 ug APC-Anti-Mouse CD3ε (APC-65061, clone 500-A2) (red) or 0.20 ug APC-Hamster IgG isotype control (blue). Cells were not fixed.