

For Research Use Only

PE Anti-Mouse CD3 ϵ (500-A2)

Catalog Number: PE-65061



Basic Information

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|------------------------------------|---|---|
| Catalog Number: PE-65061 | GenBank Accession Number: BC098236 | Purification Method: Affinity purification |
| Size: 100ug, 0.1 mg/ml | GeneID (NCBI): 12501 | CloneNo.: 500-A2 |
| Source: Hamster | UNIPROT ID: P22646 | Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm |
| Isotype: IgG | Full Name: CD3 antigen, epsilon polypeptide | |

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:

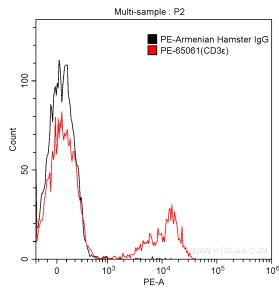
T: 4006900926

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



1X10⁶ C57BL/6 mouse splenocytes were surface stained with 0.3 ug PE Anti-Mouse CD3 Epsilon (PE-65061, Clone: 500-A2) (red) or 0.3 ug PE-Armenian Hamster IgG isotype control (black). Cells were not fixed.