

For Research Use Only

Biotin Anti-Mouse CD3e Rabbit Recombinant Antibody

Catalog Number: Biotin-98851



Basic Information

Catalog Number:

Biotin-98851

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

12501

UNIPROT ID:

P22646

Full Name:

CD3 antigen, epsilon polypeptide

Purification Method:

Protein A purification

CloneNo.:

260769A1

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : 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. Avoid exposure to light. 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:

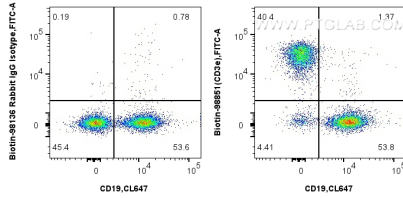
T: 4006900926

E: Proteintech-CN@ptglab.com

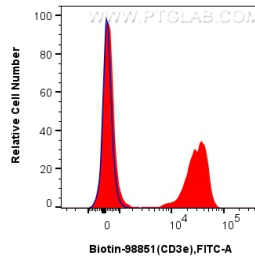
W: ptgcn.com

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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse CD3e Rabbit RecAb (Biotin-98851, Clone: 260769A1) or Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-98136, Clone: 240953C9), and Streptavidin-CoraLite® Plus 488 Conjugate (CL488-PF00030). Cells were co-stained with CoraLite® Plus 647 Anti-Mouse CD19. Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse CD3e Rabbit RecAb (Biotin-98851, Clone: 260769A1) (red) or Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-98136, Clone: 240953C9) (blue), and Streptavidin-CoraLite® Plus 488 Conjugate (CL488-PF00030). Cells were not fixed.