

For Research Use Only

Anti-Mouse CD3e (145-2C11) Armenian Hamster Recombinant Antibody

Catalog Number: 65651-1-AR



Basic Information

Catalog Number: 65651-1-AR	GenBank Accession Number: BC098236	Purification Method: Protein A purification
Concentration: 100ug, 1000 µg/ml	GeneID (NCBI): 12501	CloneNo.: 145-2C11
Source: Armenian Hamster	UNIPROT ID: P22646	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG2a	Full Name: CD3 antigen, epsilon polypeptide	

Applications

Tested Applications: FC	Positive Controls: FC : mouse splenocytes,
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. 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:

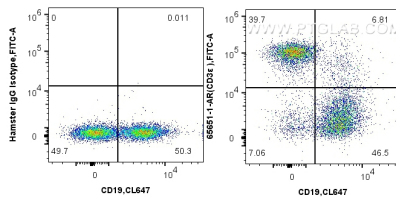
T: 4006900926

E: Proteintech-CN@ptglab.com

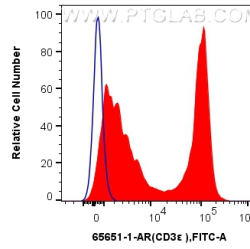
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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD3e (145-2C11) Hamster IgG2a RecAb (65651-1-AR, Clone: 145-2C11) or Hamster IgG Isotype Control (PIP) (65210-1-Ig, Clone: PIP), and FITC-conjugated Anti-Armenian Hamster IgG antibody. Cells were then stained with CoraLite® Plus 647 Anti-Mouse CD19. Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD3e (145-2C11) Hamster IgG2a RecAb (65651-1-AR, Clone: 145-2C11) (red) or Hamster IgG Isotype Control (PIP) (65210-1-Ig, Clone: PIP) (blue) and FITC-conjugated Anti-Armenian Hamster IgG antibody. Cells were not fixed.