

For Research Use Only

FcZero-rAb™ APC-Cyanine7 Anti-Mouse CD3e (145-2C11) Rabbit IgG Recombinant Antibody

Catalog Number: AY7-FcA65651



Basic Information

Catalog Number: AY7-FcA65651	GenBank Accession Number: BC098236	Purification Method: Protein A purification
Concentration: 100ug, 200 ug/ml	GeneID (NCBI): 12501	CloneNo.: 145-2C11
Source: Rabbit	UNIPROT ID: P22646	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: CD3 antigen, epsilon polypeptide	Excitation/Emission maxima wavelengths: 650 nm / 778 nm

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. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

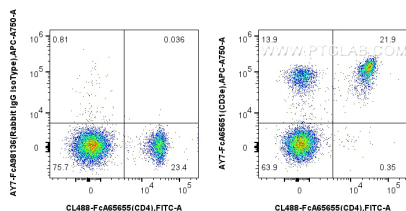
T: 4006900926

E: Proteintech-CN@ptglab.com

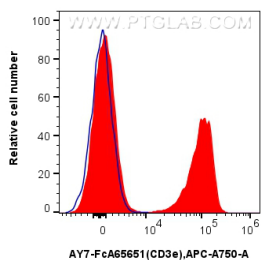
W: ptgcn.com

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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with CoraLite® Plus 488 Anti-Mouse CD4 (RM4-4), or 0.25 ug Rabbit IgG Isotype Control RecAb (AY7-FcA98136, Clone: 240953C9), and 0.25 ug APC-Cyanine7 Anti-Mouse CD3e (145-2C11) Rabbit IgG RecAb (AY7-FcA65651, Clone:145-2C11). Cells were incubated with MonoZero™ Human/Mouse Fc blocking Reagent(PF00029) prior to staining. Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug APC-Cyanine7 Anti-Mouse CD3e (145-2C11) Rabbit IgG RecAb (AY7-FcA65651, Clone:145-2C11) (red), and 0.25 ug Rabbit IgG Isotype Control RecAb (AY7-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Human/Mouse Fc blocking Reagent(PF00029) prior to staining. Cells were not fixed.