

For Research Use Only

FcZero-rAb® PE-Cyanine7 Anti-Mouse CD3e (145-2C11) Rabbit Recombinant Antibody

Catalog Number: PY7-FcA65651



Basic Information

Catalog Number:

PY7-FcA65651

Size:

100ug, 200 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC098236

GeneID (NCBI):

12501

UNIPROT ID:

P22646

Full Name:

CD3 antigen, epsilon polypeptide

Purification Method:

Protein A purification

CloneNo.:

145-2C11

Recommended Dilutions:

FC: 0.1 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 778 nm

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 CD3γ, 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

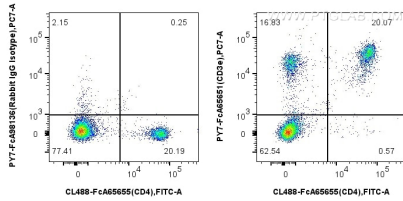
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

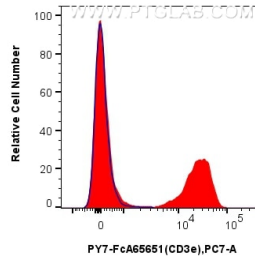
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with FcZero-rAb™ CoraLite® Plus 488 Anti-Mouse CD4 (RM4-4), and 0.1 ug PE-Cyanine7 Anti-Mouse CD3e (145-2C11) Rabbit IgG RecAb (PY7-FcA65651, Clone:145-2C11), or FcZero-rAb™ PE-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (PY7-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking reagent (PF00020) prior to staining. Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.1 ug PE-Cyanine7 Anti-Mouse CD3e (145-2C11) Rabbit IgG RecAb (PY7-FcA65651, Clone:145-2C11)(red) or FcZero-rAb™ PE-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (PY7-FcA98136, Clone: 240953C9)(blue). Cells were incubated with MonoZero™ Monocytes blocking reagent (PF00020) prior to staining. Cells were not fixed.