

For Research Use Only

PE-Cyanine7 Anti-Mouse CD3 (17A2)

Catalog Number: PY7-65077



Basic Information

Catalog Number: PY7-65077	GenBank Accession Number: BC098236	Purification Method: Affinity purification
Size: 100ug , 100 µg/ml	GeneID (NCBI): 12501	CloneNo.: 17A2
Source: Rat	UNIPROT ID: P22646	Excitation/Emission maxima wavelengths: 450-500 nm / 778 nm
Isotype: IgG2b, kappa	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 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

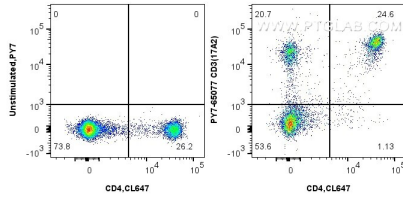
Storage:
Store at 2-8°C. Avoid exposure to light.

Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

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

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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.2 ug PE-Cyanine7 Anti-Mouse CD3 (17A2) (PY7-65077, Clone:17A2) or 0.2 ug Isotype Control, and 0.2 ug CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5) (CL647-65104, Clone: GK1.5). Cells were not fixed.