

For Research Use Only

APC Anti-Mouse CD3 (17A2)

Catalog Number: APC-65077 **2 Publications**



Basic Information

Catalog Number: APC-65077	GenBank Accession Number: BC098236	Purification Method: Affinity purification
Size: 100ug, 0.2 mg/ml	GeneID (NCBI): 12501	CloneNo.: 17A2
Source: Rat	Full Name: CD3 antigen, epsilon polypeptide	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: IgG2b, kappa		

Applications

Tested Applications:
FC

Cited Applications:
FC

Species Specificity:
Mouse

Cited Species:
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).

Notable Publications

Author	Pubmed ID	Journal	Application
Lian Zhu	36321642	J Mater Chem B	FC
Zhuo Cheng	37544392	Acta Biomater	FC

Storage

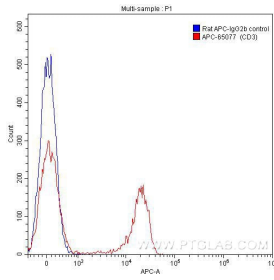
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

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
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Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with 0.5 ug APC-anti-mouse CD3 (APC-65077, clone 17A2) (red) or 0.5 ug APC-rat IgG2b isotype control (blue). Cells were not fixed.