

For Research Use Only

PE Anti-Mouse CD3 (17A2)

Catalog Number: PE-65077

8 Publications



Basic Information

Catalog Number:

PE-65077

Concentration:

100ug, 0.1 mg/ml

Source:

Rat

Isotype:

IgG2b, kappa

GenBank Accession Number:

BC098236

GeneID (NCBI):

12501

UNIPROT ID:

P22646

Full Name:

CD3 antigen, epsilon polypeptide

Purification Method:

Affinity purification

CloneNo.:

17A2

Recommended Dilutions:

FC: 0.2 ug per 10⁶ cells in 100 μ l suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

mouse

Cited Species:

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 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Yanan Sun	36203955	Bioact Mater	FC
Yiwei Zhang	35226255	Sci China Life Sci	FC
Jun Wu	40023466	Acta Biomater	

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:

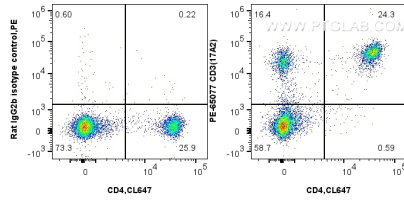
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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 0.2 ug PE Anti-Mouse CD3 (17A2) (PE-65077, Clone:17A2) or 0.2 ug PE Rat IgG2b Isotype Control (LTF-2) (PE-65211, Clone: LTF-2), and 0.2 ug CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5) (CL647-65104, Clone: GK1.5). Cells were not fixed.