

For Research Use Only

PE Anti-Mouse CD3 ϵ (145-2C11)

Catalog Number: PE-65060

3 Publications



Basic Information

Catalog Number: PE-65060	GenBank Accession Number: BC098236	Purification Method: Affinity purification
Size: 100ug, 0.1 mg/ml	GeneID (NCBI): 12501	CloneNo.: 145-2C11
Source: Hamster	UNIPROT ID: P22646	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Isotype: IgG	Full Name: CD3 antigen, epsilon polypeptide	

Applications

Tested Applications:
FC

Cited Applications:
FC, FC (Intra)

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 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
Hongping Wan	38888501	Adv Healthc Mater	FC (Intra)
Kai Deng	38852736	Int J Biol Macromol	FC
Yi Chen	38768811	J Adv Res	FC

Storage

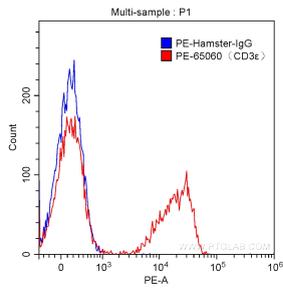
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide and a stabilizer.

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



1×10^6 C57BL/6 mouse splenocytes were surface stained with 0.10 μ g PE Anti-Mouse CD3 ϵ (PE-65060, Clone:145-2C11) (red) or 0.10 μ g isotype control antibody (blue). Cells were not fixed.