

For Research Use Only

APC Anti-Mouse CD3 ϵ (145-2C11)

Catalog Number: APC-65060

2 Publications



Basic Information

Catalog Number: APC-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: 650 nm / 660 nm
Isotype: IgG	Full Name: CD3 antigen, epsilon polypeptide	

Applications

Tested Applications:
FC

Cited Applications:
FC

Species Specificity:
Mouse

Cited Species:
human, 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
Qingqu Guo	34391478	Eur J Med Res	FC
Shichao Zhang	38091266	ACS Appl Mater Interfaces	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:

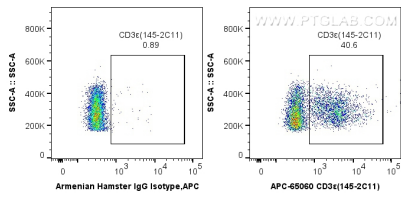
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Selected Validation Data



1X10⁶ mouse splenocytes were surface stained with 0.1 ug APC Anti-Mouse CD3 ϵ (APC-65060, Clone: 145-2C11) or 0.1 ug Control Antibody. Cells were not fixed.