

For Research Use Only

CoraLite® Plus 647 Anti-Mouse CD3 ϵ (145-2C11)



Catalog Number: CL647-65060

Basic Information

Catalog Number: CL647-65060	GenBank Accession Number: BC098236	Purification Method: Affinity purification
Size: 100ug, 500 μ g/ml	GeneID (NCBI): 12501	CloneNo.: 145-2C11
Source: Hamster	UNIPROT ID: P22646	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG	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 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).

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.

For technical support and original validation data for this product please contact:

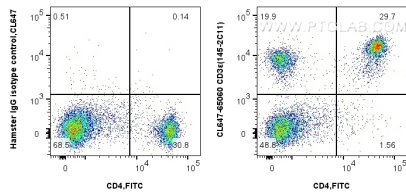
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface co-stained with 0.25 ug FITC Plus Anti-Mouse CD4 (Gk1.5) (FITC-65104, Clone: Gk1.5) and 0.5 ug CoraLite® Plus 647 Anti-Mouse CD3 ε (CL647-65060, Clone:145-2C11) or 0.5 ug CoraLite® Plus 647 Armenian Hamster IgG Isotype Control (PIP) (CL647-65210, Clone: PIP). Cells were not fixed.