

For Research Use Only

CoraLite® Plus 647 Anti-Mouse CD3 (17A2)



Catalog Number: **CL647-65077**

Basic Information

Catalog Number: CL647-65077	GenBank Accession Number: BC098236	Purification Method: Affinity purification
Size: 100ug, 0.5 mg/ml	GeneID (NCBI): 12501	CloneNo.: 17A2
Source: Rat	UNIPROT ID: P22646	Recommended Dilutions: IF 1:250-1:1000
Isotype: IgG2b, kappa	Full Name: CD3 antigen, epsilon polypeptide	Excitation/Emission maxima wavelengths: 654 nm / 674 nm

Applications

Tested Applications: FC, IF/ICC	Positive Controls: IF : mouse splenocytes,
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 0.1% sodium azide and 0.5% BSA, pH 7.3.

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

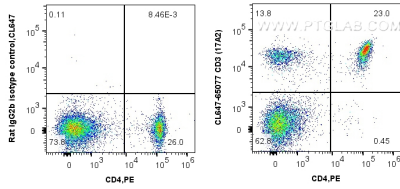
T: 4006900926

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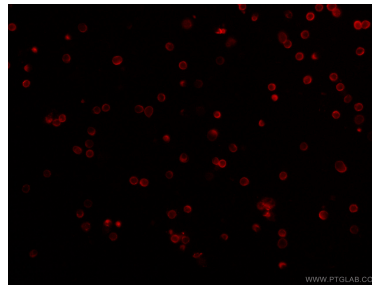
W: ptgcn.com

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Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface co-stained with PE Anti-Mouse CD4 (Gk1.5) and 0.5 ug CoraLite® Plus 647 Anti-Mouse CD3 (CL647-65077, Clone:17A2) or 0.5 ug CoraLite® Plus 647 Rat IgG2b Isotype Control (LTF-2) (CL647-65211, Clone: LTF-2). Cells were not fixed.



Immunofluorescent analysis of mouse splenocytes using CoraLite® Plus 647-conjugated Anti-Mouse CD3 (CL647-65077, Clone: 17A2) at dilution of 1:500.