

CoraLite®594 Anti-Mouse CD3 (17A2)

Catalog Number: **CL594-65077**

Basic Information

Catalog Number: CL594-65077	GenBank Accession Number: BC098236	Purification Method: Affinity purification
Size: 100ug, 0.5 mg/ml	GeneID (NCBI): 12501	CloneNo.: 17A2
Source: Rat	UNIPROT ID: P22646	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG2b, kappa	Full Name: CD3 antigen, epsilon polypeptide	

Applications

Tested Applications:
FC

Species Specificity:
Mouse

Background Information

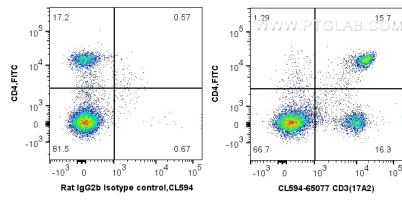
CD3 is a multimeric protein associated with the T-cell receptor (TCR) to form a complex involved in antigen recognition and signal transduction (PMID: 15885124). CD3 is composed of CD3 γ , δ , ϵ , and ζ chains (PMID: 1826255). It is expressed by thymocytes in a developmentally regulated manner, T cells, 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.

Selected Validation Data



1X10⁶ mouse splenocytes were surface co-stained with FITC Anti-Mouse CD4 and 0.5 ug CoraLite®594 Anti-Mouse CD3 (CL594-65077, Clone: 17A2) or 0.5 ug Isotype Control. Cells were not fixed.