

For Research Use Only

CoraLite® Plus 488 Anti-Mouse CD3 (17A2)



Catalog Number: **CL488-65077**

Basic Information

Catalog Number: CL488-65077	GenBank Accession Number: BC098236	Purification Method: Affinity purification
Size: 100tests , 5 µl/test	GeneID (NCBI): 12501	CloneNo.: 17A2
Source: Rat	Full Name: CD3 antigen, epsilon polypeptide	Recommended Dilutions: IF 1:250-1:1000
Isotype: IgG2b, kappa		Excitation/Emission maxima wavelengths: 488 nm / 515 nm

Applications

Tested Applications: FC, IF	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 CD3γ, 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).

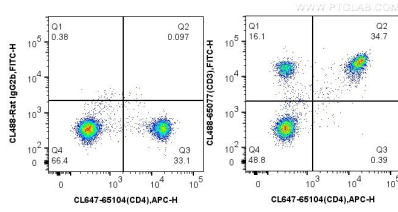
Storage

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.

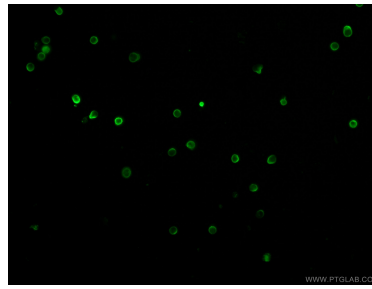
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ mouse splenocytes were surface stained with 5 ul CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5) (CL647-65104, Clone: GK1.5) and CoraLite® Plus 488-Rat IgG2b isotype control (left) or 5 ul CoraLite® Plus 488 Anti-Mouse CD3 (CL488-65077, Clone: 17A2) (right). Cells were not fixed.



Immunofluorescent analysis of mouse splenocytes using CoraLite® Plus 488-conjugated Anti-Mouse CD3 (CL488-65077, Clone: 17A2) at dilution of 1:500.