

For Research Use Only

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

Catalog Number: CL488-65077

1 Publications



Basic Information

Catalog Number: CL488-65077	GenBank Accession Number: BC098236	Purification Method: Affinity purification
Concentration: 100ug, 500 µg/ml	GeneID (NCBI): 12501	CloneNo.: 17A2
Source: Rat	UNIPROT ID: P22646	Recommended Dilutions: IF/ICC 1:250-1:1000
Isotype: IgG2b, kappa	Full Name: CD3 antigen, epsilon polypeptide	Excitation/Emission maxima wavelengths: 493 nm / 522 nm

Applications

Tested Applications: IF/ICC, FC	Positive Controls: IF/ICC : mouse splenocytes,
Cited Applications: FC	
Species Specificity: Mouse	
Cited Species: 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
Xiang-Long Yu	39984083	Int J Biol Macromol	FC

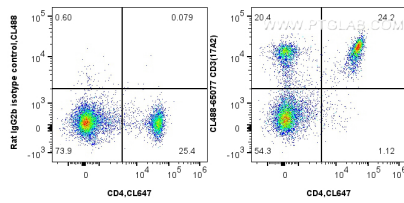
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

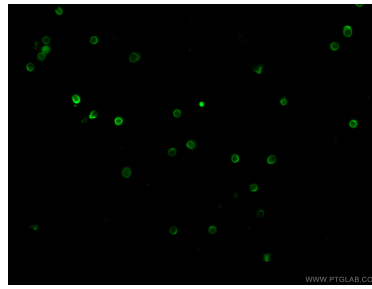
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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Selected Validation Data



1X10⁶ mouse splenocytes were surface stained with 0.5 ug CoraLite® Plus 488 Anti-Mouse CD3 (CL488-65077, Clone:17A2) or 0.5 ug CoraLite® Plus 488 Rat IgG2b Isotype Control (LTF-2) (CL488-65211, Clone: LTF-2), and 0.5 ug CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5) (CL647-65104, Clone: GK1.5). 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.