For Research Use Only

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

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL488-65077

Basic Information

Catalog Number:
CL488-65077

Size:
100ug , 500 µg/ml

Source:
Rat

Isotype:
IgG2b, kappa

GenBank Accession Number:
BC098236

GeneID (NCBI):
12501

UNIPROT ID:
P22646

Full Name:
CD3 antigen, epsilon polypeptide

Purification Method:
Affinity purification

CloneNo.:
17A2

Recommended Dilutions:
IF/ICC 1:250-1:1000

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF, FC

Species Specificity:
Mouse

Positive Controls:

IF/ICC : mouse splenocytes,

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).

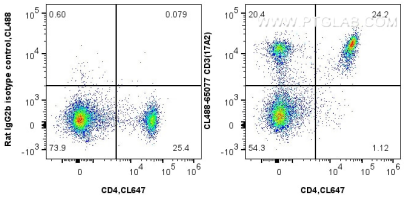
Storage

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.

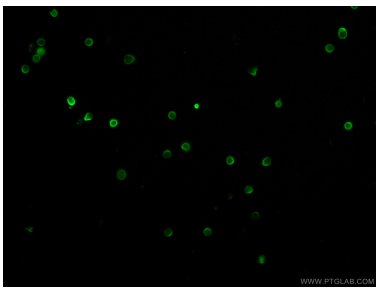
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10^6 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.