

For Research Use Only

CoraLite® Plus 488 Anti-Mouse CD3ε (500-A2)

Catalog Number: CL488-65061



Basic Information

Catalog Number:

CL488-65061

Size:

100ug , 500 µg/ml

Source:

Hamster

Isotype:

IgG

GenBank Accession Number:

BC098236

GeneID (NCBI):

12501

UNIPROT ID:

P22646

Full Name:

CD3 antigen, epsilon polypeptide

Purification Method:

Affinity purification

CloneNo.:

500-A2

Recommended Dilutions:

IF/ICC 1:250-1:1000

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, 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.

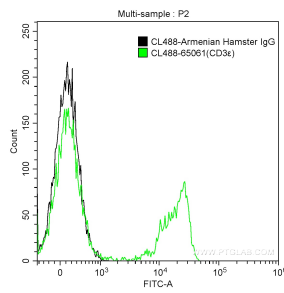
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

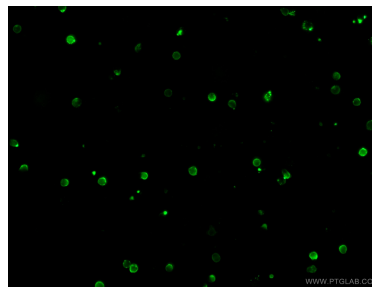
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse CD3ε (CL488-65061, Clone:500-A2) (green) or 0.25 ug Control Antibody. Cells were not fixed.



Immunofluorescent analysis of mouse splenocytes using CoraLite® Plus 488-conjugated Anti-Mouse CD3ε (CL488-65061, Clone: 500-A2) at dilution of 1:500.