For Research Use Only

FcZero-rAb® CoraLite® Plus 488 Anti-Mouse CD3 (17A2) Rabbit Recombinant Antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:CL488-FcA65659 1 Publications

Basic Information

Catalog Number:
CL488-FcA65659

Size:
100ug , 500 ug/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC098236

GeneID (NCBI):
12501

UNIPROT ID:
P22646

Full Name:
CD3 antigen, epsilon polypeptide

Purification Method:
Protein A purification

CloneNo.:
17A2

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
FC

Cited Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Fenglin Lv	42576342	Clin Transl Med	FC

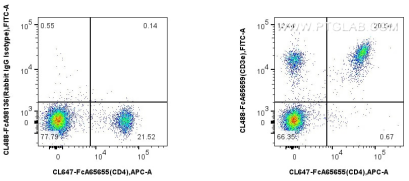
Storage

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

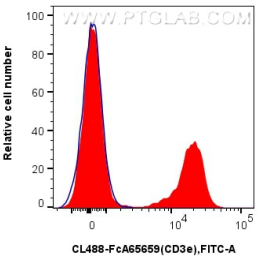
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 FcZero-rAb™ CoraLite® Plus 647 Anti-Mouse CD4, and 0.25 ug CoraLite® Plus 488 Anti-Mouse CD3 (17A2) Rabbit IgG RecAb (CL488-FcA65659, Clone: 17A2) or 0.25 ug FcZero-rAb™ CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10^6 mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse CD3 (17A2) Rabbit IgG RecAb (CL488-FcA65659, Clone: 17A2) (red) or 0.25 ug FcZero-rAb™ CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.