For Research Use Only

FcZero-rAb® CoraLite® Plus 488 Anti-Human CD3 (OKT3) Rabbit Recombinant Antibody

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

Catalog Number:CL488-FcA65569 1 Publications

Basic Information

Catalog Number:
CL488-FcA65569

Size:
100tests , 5 ul/test

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC049847

GeneID (NCBI):
916

ENSEMBL Gene ID:
ENSG00000198851

UNIPROT ID:
P07766

Full Name:
CD3e molecule, epsilon (CD3-TCR complex)

Calculated MW:
207 aa, 23 kDa

Purification Method:
Protein A purification

CloneNo.:
OKT3

Recommended Dilutions:
FC: 5 ul 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:
human

Cited Species:
human

Positive Controls:

FC : human PBMCs,

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
Yuting Zhang	42364692	Life Sci	FC

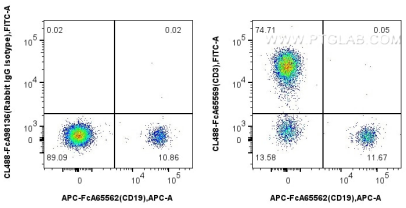
Storage

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

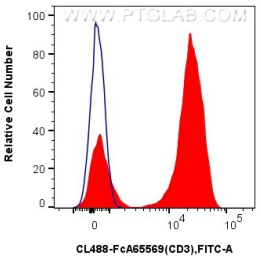
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10^6 human PBMCs were surface stained with FcZero-rAb™ APC Anti-Human CD19 (4G7), and 5 ul CoraLite® Plus 488 Anti-Human CD3 (OKT3) Rabbit IgG RecAb (CL488-FcA65569, Clone: OKT3) or FcZero-rAb™ CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



1x10^6 human PBMCs were surface stained with 5 ul CoraLite® Plus 488 Anti-Human CD3 (OKT3) Rabbit IgG RecAb (CL488-FcA65569, Clone: OKT3) (red), or FcZero-rAb™ CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.