

For Research Use Only

CoraLite® Plus 488 Anti-Mouse CD3ε (145-2C11)

Catalog Number: CL488-65060



Basic Information

Catalog Number:

CL488-65060

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.:

145-2C11

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC

Species Specificity:

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 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 0.09% sodium azide.

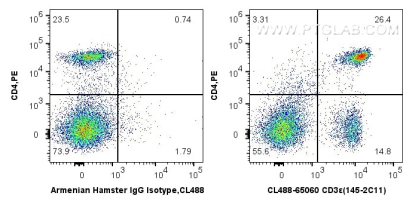
For technical support and original validation data for this product please contact:

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

Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface co-stained with PE Anti-Mouse CD4 (GK1.5) and 0.5 ug CoraLite® Plus 488 Anti-Mouse CD3ε (CL488-65060, Clone:145-2C11) or 0.5 ug Armenian Hamster IgG isotype Control. Cells were not fixed.