For Research Use Only

FcZero-rAb® CoraLite® Plus 647 Anti-Mouse CD8a (53-6.7) Rabbit Recombinant Antibody

Catalog Number:CL647-FcA65666

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

Basic Information

Catalog Number:
CL647-FcA65666

Concentration:
100ug, 500 ug/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC030679

GeneID (NCBI):
12525

UNIPROT ID:
P01731

Full Name:
CD8 antigen, alpha chain

Purification Method:
Protein G purification

CloneNo.:
53-6.7

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

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : mouse splenocytes,

Background Information

CD8 is a transmembrane glycoprotein composed of two disulfide-linked chains. It can be present as a homodimer of CD8α or as a heterodimer of CD8α and CD8β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8αβ heterodimer while CD8αα homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) γδ T cells and on NK cells (PMID: 2111591; 1831127; 8420975). CD8 acts as a co-receptor that binds to MHC class I and participates in cytotoxic T cell activation (PMID: 8499079). During T cell development, CD8 is required for positive selection of CD4-/CD8+ T cells (PMID: 1968084).

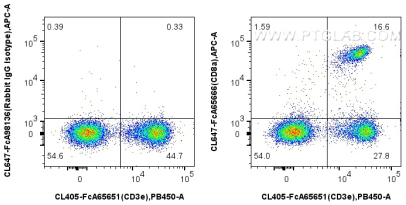
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

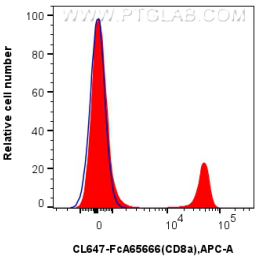
For technical support and original validation data for this product please contact:
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Selected Validation Data



1x10^6 mouse splenocytes were surface stained with CoraLite® Plus 405 Anti-Mouse CD3e (145-2C11), and 0.25 ug CoraLite® Plus 647 Anti-Mouse CD8a (53-6.7) Rabbit RecAb (CL647-FcA65666, Clone: 53-6.7) or 0.25 ug FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10^6 mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD8a (53-6.7) Rabbit RecAb (CL647-FcA65666, Clone: 53-6.7) (red) or 0.25 ug FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.