

For Research Use Only

# FcZero-rAb® Biotin Anti-Mouse CD8a Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98472-2



## Basic Information

**Catalog Number:**

Biotin-FcA98472-2

**Size:**

100ug , 500 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

EG3265

**GenBank Accession Number:**

NM\_001081110.2

**GeneID (NCBI):**

12525

**UNIPROT ID:**

P01731

**Full Name:**

CD8 antigen, alpha chain

**Calculated MW:**

27 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

242879C10

**Recommended Dilutions:**

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maxima wavelengths:**

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## 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 CD8a or as a heterodimer of CD8a and CD8β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8aβ heterodimer while CD8aα 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, pH7.3

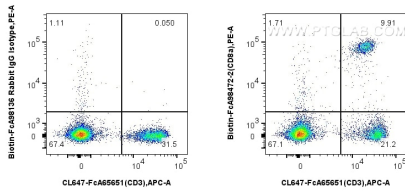
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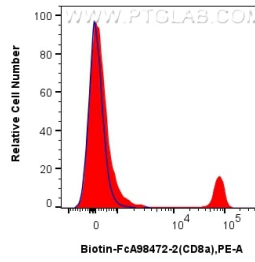
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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse CD8a Rabbit RecAb (Biotin-FcA98472-2, Clone:242879C10), or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with FcZero-rAb™ CoraLite® Plus 647 Anti-Mouse CD3e (145-2C11) Rabbit IgG Recombinant Antibody (CL647-FcA65651, Clone: 145-



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse CD8a Rabbit RecAb (Biotin-FcA98472-2, Clone:242879C10) (red), or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue) and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.