

For Research Use Only

# FcZero-rAb® APC-Cyanine7 Anti-Mouse CD8a Rabbit Recombinant Antibody

Catalog Number:AY7-FcA98472-2



## Basic Information

Catalog Number:

AY7-FcA98472-2

Concentration:

100ug, 200 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:

650 nm / 778 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 CD8 $\alpha$  or as a heterodimer of CD8 $\alpha$  and CD8 $\beta$  (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8 $\alpha$  $\beta$  heterodimer while CD8 $\alpha$  $\alpha$  homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR)  $\gamma$  $\delta$  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 and 0.5% BSA, pH7.3

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

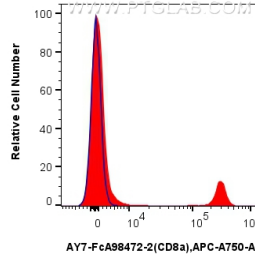
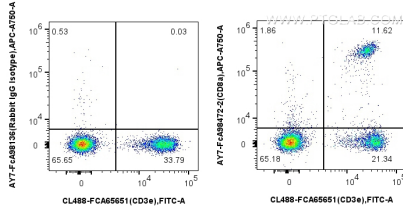
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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with FcZero-rAb® CoraLite® Plus 488 Anti-Mouse CD3e (145-2C11), and 0.25 ug APC-Cyanine7 Anti-Mouse CD8a Rabbit RecAb (AY7-FcA98472-2, Clone: 242879C10) or FcZero-rAb® APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Human/Mouse 3-in-1 blocking Reagent (PF00029) prior to staining. Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug APC-Cyanine7 Anti-Mouse CD8a Rabbit RecAb (AY7-FcA98472-2, Clone: 242879C10) (red) or FcZero-rAb® APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Human/Mouse 3-in-1 blocking Reagent (PF00029) prior to staining. Cells were not fixed.