

For Research Use Only

# FcZero-rAb® APC-Cyanine7 Anti-Rat CD8a (OX-8) Rabbit Recombinant Antibody

Catalog Number: AY7-FcA65577



## Basic Information

Catalog Number:  
AY7-FcA65577

Size:  
100ug, 200 ug/ml

Source:  
Rabbit

Isotype:  
IgG

GenBank Accession Number:  
BC088126

GeneID (NCBI):  
24930

UNIPROT ID:  
P07725

Full Name:  
CD8a molecule

Purification Method:  
Protein A purification

CloneNo.:  
OX-8

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:  
rat

Positive Controls:

FC : rat 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 CD8aa 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 and 0.5% BSA, pH7.3

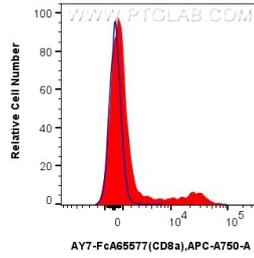
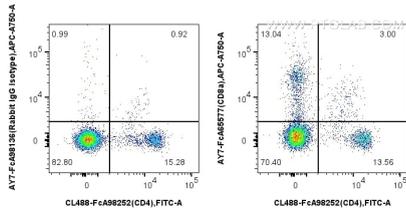
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1x10<sup>6</sup> rat splenocytes were surface stained with FcZero-rAb™ CoraLite® Plus 488 Anti-Rat CD4, and 0.25 ug APC-Cyanine7 Anti-Rat CD8a (OX-8) Rabbit IgG RecAb (AY7-FcA65577, Clone: OX-8) or FcZero-rAb™ APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.

1x10<sup>6</sup> rat splenocytes were surface stained with 0.25 ug APC-Cyanine7 Anti-Rat CD8a (OX-8) Rabbit IgG RecAb (AY7-FcA65577, Clone: OX-8) (red) or FcZero-rAb™ APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.