

For Research Use Only

# FcZero-rAb™ Biotin Anti-Rat CD8a (OX-8) Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA65577



## Basic Information

**Catalog Number:**

Biotin-FcA65577

**Concentration:**

100ug, 500 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:**

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## Applications

**Tested Applications:**

FC, ELISA

**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 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, pH7.3

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

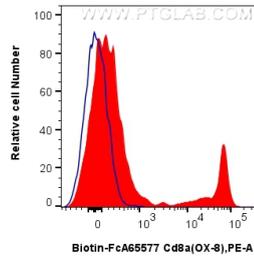
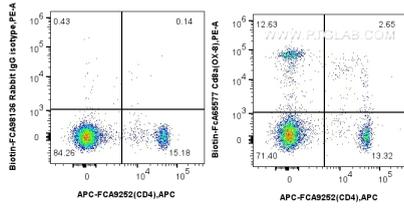
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## Selected Validation Data



1x10<sup>6</sup> rat splenocytes were surface stained with FcZero-rAb™ APC Anti-Rat CD4 Rabbit Recombinant Antibody (APC-FcA98252, Clone: 241955C11), and 0.25 ug Biotin Anti-Rat CD8a (OX-8) Rabbit IgG RecAb (Biotin-FcA65577, Clone: OX-8) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.

1x10<sup>6</sup> rat splenocytes were surface stained with 0.25 ug Biotin Anti-Rat CD8a (OX-8) Rabbit IgG RecAb (Biotin-FcA65577, Clone: OX-8) (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.