

For Research Use Only

# APC Anti-Rat CD8a (OX-8)

Catalog Number: APC-65180



## Basic Information

Catalog Number:

APC-65180

Size:

100ug, 200  $\mu$ g/ml

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC088126

GeneID (NCBI):

24930

UNIPROT ID:

P07725

Full Name:

CD8a molecule

Purification Method:

Purified by protein-A affinity chromatography

CloneNo.:

OX-8

Excitation/Emission maximum wavelengths:

650 nm / 660 nm

## Applications

Tested Applications:

FC

Species Specificity:

rat

## 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 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 0.1% sodium azide and 0.5% BSA.

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

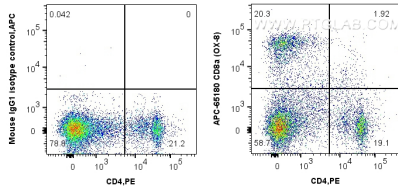
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## Selected Validation Data



1X10<sup>6</sup> rat splenocytes were surface co-stained with PE Anti-Rat CD4 (OX-35) and 0.1 ug APC Anti-Rat CD8a (APC-65180, Clone: OX-8) or 0.1 ug APC Mouse IgG1 Isotype Control (MOPC-21). Cells were not fixed.