

For Research Use Only

APC Anti-Rat CD8a (OX-8)

Catalog Number: APC-65180



Basic Information

Catalog Number:
APC-65180

Size:
100ug, 200 µg/ml

Source:
Mouse

Isotype:
IgG1, kappa

GenBank Accession Number:
BC088126

GeneID (NCBI):
24930

Full Name:
CD8a molecule

Purification Method:
Purified by protein-A affinity chromatography

CloneNo.:
OX-8

Excitation/Emission maxima 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 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) γ δ 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.

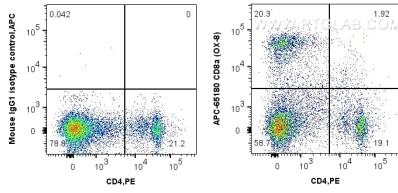
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1X10⁶ 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.