

For Research Use Only

PE Anti-Rat CD8a (OX-8)

Catalog Number: PE-65180



Basic Information

Catalog Number:

PE-65180

Size:

100ug, 200 µg/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:

496 nm, 565 nm / 578 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 α or as a heterodimer of CD8 α and CD8 β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8 α β heterodimer while CD8 α α homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) γ δ 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 0.1% sodium azide and 0.5% BSA.

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

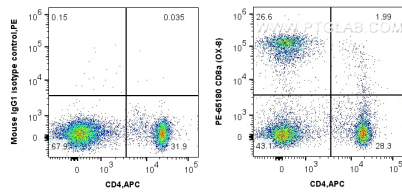
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Selected Validation Data



1X10⁶ rat splenocytes were surface co-stained with APC Anti-Rat CD4 (OX-35) and 0.2 ug PE Anti-Rat CD8a (PE-65180, Clone: OX-8) or 0.2 ug PE Mouse IgG1 Isotype Control (MOPC-21) (PE-65124, Clone: MOPC-21). Cells were not fixed.