

For Research Use Only

# Anti-Rat CD8a Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98484-2-PBS



## Basic Information

Catalog Number:

98484-2-PBS

Size:

1mg, 3 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3839

GenBank Accession Number:

NM\_031538.2

GeneID (NCBI):

24930

UNIPROT ID:

P07725

Full Name:

CD8a molecule

Calculated MW:

26 kDa

Purification Method:

Protein A purification

CloneNo.:

250721G1

## 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 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 -80°C.

Storage Buffer:

PBS only, pH7.3

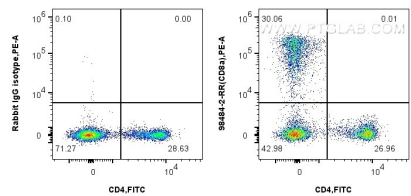
For technical support and original validation data for this product please contact:

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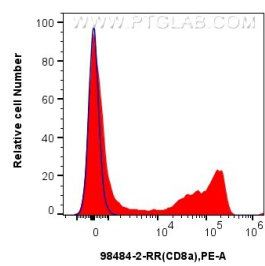
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Selected Validation Data



1x10<sup>6</sup> rat splenocytes were surface stained with 0.25 ug Anti-Rat CD8a Rabbit RecAb (98484-2-RR, Clone:250721G1) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with FITC Plus Anti-Rat CD4 (OX-35) (FITC-65179, Clone: OX-35). Cells were not fixed. This data was developed using the same antibody clone with 98484-2-PBS in a different storage buffer formulation.



1x10<sup>6</sup> rat splenocytes were surface stained with 0.25 ug Anti-Rat CD8a Rabbit RecAb (98484-2-RR, Clone: 250721G1) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (bue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98484-2-PBS in a different storage buffer formulation.