

For Research Use Only

# Anti-Mouse CD8a (53-6.7), PBS Only

Catalog Number: 65069-1-PBS



## Basic Information

Catalog Number:

65069-1-PBS

Size:

100ug, 1 mg/ml

Source:

Rat

Isotype:

IgG2a, kappa

GenBank Accession Number:

BC030679

GeneID (NCBI):

12525

UNIPROT ID:

P01731

Full Name:

CD8 antigen, alpha chain

Purification Method:

Protein G purification

CloneNo.:

53-6.7

## Applications

Tested Applications:

FC

Species Specificity:

mouse

## 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) 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

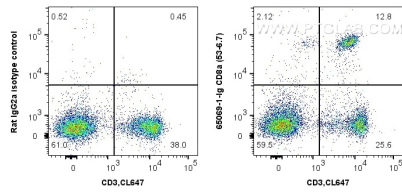
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## Selected Validation Data



1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface stained with CoraLite® Plus 647 Anti-Mouse CD3 (17A2) and 0.5 ug Anti-Mouse CD8a (65069-1-Ig, Clone:53-6.7) or 0.5 ug Rat IgG2a Isotype Control (2A3) and FITC anti-rat IgG2a Antibody at dilution 1:100. Cells were not fixed. This data was developed using the same antibody clone with 65069-1-PBS in a different storage buffer formulation.