

For Research Use Only

# CoraLite® Plus 405 Anti-Mouse CD8a Rabbit Recombinant Antibody

Catalog Number:CL405-98472-2



## Basic Information

Catalog Number:

CL405-98472-2

Size:

100ug , 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3265

GenBank Accession Number:

NM\_001081110.2

GeneID (NCBI):

12525

UNIPROT ID:

P01731

Full Name:

CD8 antigen, alpha chain

Calculated MW:

27 kDa

Purification Method:

Protein A purification

CloneNo.:

242879C10

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

399 nm / 422 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse splenocytes,

## 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 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

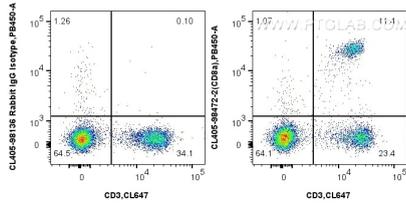
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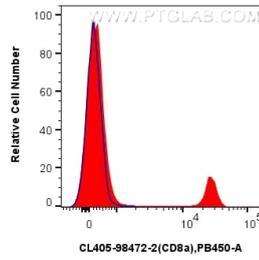
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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with CoraLite® Plus 647 Anti-Mouse CD3, and 0.25 ug CoraLite® Plus 405 Anti-Mouse CD8a Rabbit RecAb (CL405-98472-2, Clone: 242879C10) or CoraLite® Plus 405 Rabbit IgG Isotype Control RecAb (CL405-98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 405 Anti-Mouse CD8a Rabbit RecAb (CL405-98472-2, Clone: 242879C10) (red) or CoraLite® Plus 405 Rabbit IgG Isotype Control RecAb (CL405-98136, Clone: 240953C9) (blue). Cells were not fixed.