

For Research Use Only

# FcZero-rAb® CoraLite® Plus 488 Anti-Mouse CD8a Rabbit Recombinant Antibody

Catalog Number: CL488-FcA98472-2



## Basic Information

<b>Catalog Number:</b> CL488-FcA98472-2	<b>GenBank Accession Number:</b> NM_001081110.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , 500 ug/ml	<b>GeneID (NCBI):</b> 12525	<b>CloneNo.:</b> 242879C10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P01731	<b>Recommended Dilutions:</b> FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> CD8 antigen, alpha chain	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> EG3265	<b>Calculated MW:</b> 27 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : mouse splenocytes,
<b>Species Specificity:</b> 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).

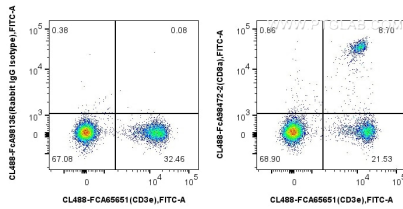
## Storage

**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide, pH7.3

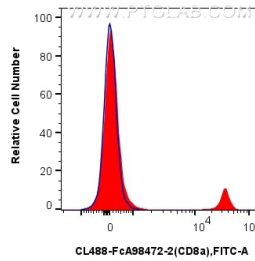
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with FcZero-rAb® CoraLite® Plus 488 Anti-Mouse CD3e (145-2C11), and 0.25 ug CoraLite® Plus 488 Anti-Mouse CD8a Rabbit RecAb (CL488-FcA98472-2, Clone: 242879C10) or FcZero-rAb® CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse CD8a Rabbit RecAb (CL488-FcA98472-2, Clone: 242879C10) (red) or FcZero-rAb® CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.