

For Research Use Only

# CoraLite® Plus 647 Anti-Rat CD8a (OX-8) Mouse IgG2a Recombinant Antibody

Catalog Number: CL647-65577



## Basic Information

Catalog Number:	CL647-65577	GenBank Accession Number:	BC088126	Purification Method:	Protein A purification
Size:	100ug , 500 ug/ml	GenID (NCBI):	24930	CloneNo.:	OX-8
Source:	Mouse	UNIPROT ID:	P07725	Recommended Dilutions:	FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
Isotype:	IgG2a	Full Name:	CD8a molecule	Excitation/Emission maxima wavelengths:	654 nm / 674 nm

## Applications

Tested Applications:	FC	Positive Controls:
Species Specificity:	rat	FC : rat splenocytes,

## Background Information

CD8 is a transmembrane glycoprotein composed of two disulfide-linked chains. It can be present as a homodimer of CD8α or as a heterodimer of CD8α and CD8β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8αβ heterodimer while CD8αα 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).

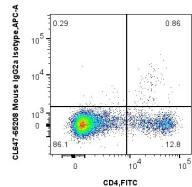
## Storage

**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

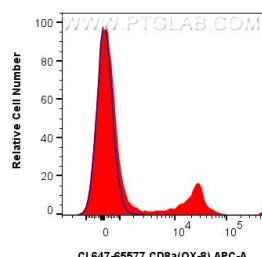
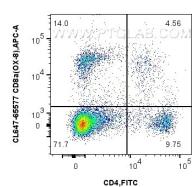
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
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W: ptglab.com

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## Selected Validation Data



$1 \times 10^6$  rat splenocytes were surface stained with FITC Plus Anti-Rat CD4, and 0.25 ug Coralite® Plus 647 Anti-Rat CD8a (OX-8) Mouse IgG2a RecAb (CL647-65577, Clone: OX-8) or Coralite® Plus 647 Mouse IgG2a Isotype Control (C1.18.4) (CL647-65208, Clone: C1.18.4). Cells were not fixed.



$1 \times 10^6$  rat splenocytes were surface stained with 0.25 ug Coralite® Plus 647 Anti-Rat CD8a (OX-8) Mouse IgG2a RecAb (CL647-65577, Clone: OX-8) (red) or Coralite® Plus 647 Mouse IgG2a Isotype Control (C1.18.4) (CL647-65208, Clone: C1.18.4) (blue). Cells were not fixed.