

For Research Use Only

# CoraLite® Plus 488 Anti-Rat CD8a (OX-8)



Catalog Number: **CL488-65180**

## Basic Information

### Catalog Number:

CL488-65180

### Size:

100ug , 0.5 mg/ml

### Source:

Mouse

### Isotype:

IgG1, kappa

### GenBank Accession Number:

BC088126

### GeneID (NCBI):

24930

### UNIPROT ID:

P07725

### Full Name:

CD8a molecule

### Purification Method:

Purified by protein-A affinity chromatography

### CloneNo.:

OX-8

### Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## 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 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.

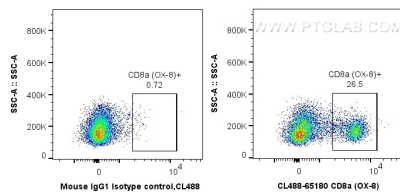
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1X10<sup>6</sup> rat splenocytes were surface stained with 0.5 ug CoraLite® Plus 488 Anti-Rat CD8a (CL488-65180, Clone:OX-8) or 0.5 ug Isotype Control. Cells were not fixed.