

For Research Use Only

# CoraLite® Plus 555 Anti-Rat CD8a (OX-8)



Catalog Number: **CL555-65180**

## Basic Information

**Catalog Number:**

CL555-65180

**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 maximum wavelengths:**

554 nm / 570 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 CD8 $\alpha$  or as a heterodimer of CD8 $\alpha$  and CD8 $\beta$  (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8 $\alpha$  $\beta$  heterodimer while CD8 $\alpha$  $\alpha$  homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR)  $\gamma$  $\delta$  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:

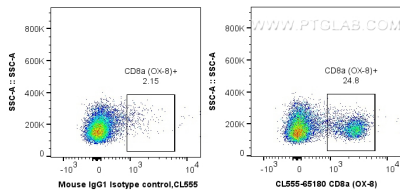
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> rat splenocytes were surface stained with 0.5 ug Coralite® Plus 555 Anti-Rat CD8a (CL555-65180, Clone:OX-8) or 0.5 ug Isotype Control. Cells were not fixed.