

For Research Use Only

CoraLite®594 Anti-Rat CD8a (OX-8)

Catalog Number:CL594-65180



Basic Information

Catalog Number:
CL594-65180

Size:
100ug, 0.5 mg/ml

Source:
Mouse

Isotype:
IgG1, kappa

GenBank Accession Number:
BC088126

GeneID (NCBI):
24930

Full Name:
CD8a molecule

Purification Method:
Purified by protein-A affinity chromatography

CloneNo.:
OX-8

Excitation/Emission maxima wavelengths:
588 nm / 604 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 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).

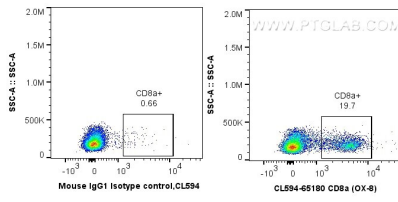
Storage

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

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

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

Selected Validation Data



1x10⁶ rat splenocytes were surface stained with 0.5 ug CoraLite®594 Anti-Rat CD8a (CL594-65180, Clone: OX-8) or 0.5 ug Isotype Control. Cells were not fixed.