

For Research Use Only

CoraLite®594 Anti-Rat CD8a (OX-8) Mouse IgG2a Recombinant Antibody

Catalog Number: CL594-65577



Basic Information

Catalog Number:

CL594-65577

Concentration:

100ug, 500 ug/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC088126

GeneID (NCBI):

24930

UNIPROT ID:

P07725

Full Name:

CD8a molecule

Purification Method:

Protein A purification

CloneNo.:

OX-8

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

FC

Species Specificity:

rat

Positive Controls:

FC : rat splenocytes,

Background Information

CD8 is a transmembrane glycoprotein composed of two disulfide-linked chains. It can be present as a homodimer of CD8 α or as a heterodimer of CD8 α and CD8 β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8 α β heterodimer while CD8 α homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) γ δ 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:

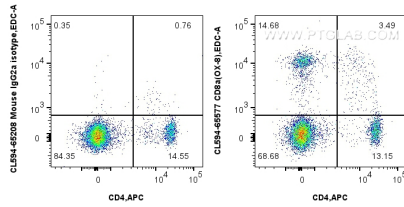
T: 4006900926

E: Proteintech-CN@ptglab.com

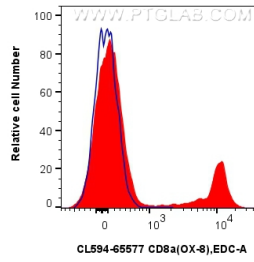
W: ptgcn.com

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Selected Validation Data



1x10⁶ rat splenocytes were surface stained with 0.25 ug CoraLite®594 Anti-Rat CD8a (OX-8) Mouse IgG2a RecAb (CL594-65577, Clone: OX-8) or CoraLite®594 Mouse IgG2a Isotype Control (C1.18.4) (CL594-65208, Clone: C1.18.4). Cells were then stained with APC Anti-Rat CD4 (OX-35). Cells were not fixed.



1x10⁶ rat splenocytes were surface stained with 0.25 ug CoraLite®594 Anti-Rat CD8a (OX-8) Mouse IgG2a RecAb (CL594-65577, Clone: OX-8) (red) or CoraLite®594 Mouse IgG2a Isotype Control (C1.18.4) (CL594-65208, Clone: C1.18.4) (blue). Cells were not fixed.