

For Research Use Only

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

Catalog Number: CL647-65577



Basic Information

| | | |
|-------------------|---------------------------|--|
| Catalog Number: | GenBank Accession Number: | Purification Method: |
| CL647-65577 | BC088126 | Protein A purification |
| Concentration: | GenID (NCBI): | CloneNo.: |
| 1000ug, 500 ug/ml | 24930 | OX-8 |
| Source: | UNIPROT ID: | Recommended Dilutions: |
| Mouse | P07725 | FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension |
| Isotype: | Full Name: | Excitation/Emission maxima wavelengths: |
| IgG2a | CD8a molecule | 654 nm / 674 nm |

Applications

| | |
|----------------------|-----------------------|
| Tested Applications: | Positive Controls: |
| FC | FC : rat splenocytes, |
| 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 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 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:

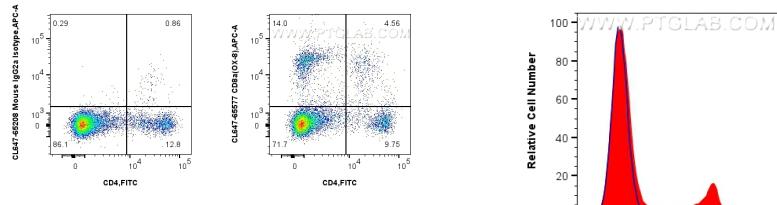
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ rat splenocytes were surface stained with 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.

1x10⁶ 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.