

For Research Use Only

# CoraLite®594 Anti-Human CD8a Rabbit Recombinant Antibody

Catalog Number:CL594-98470-2



## Basic Information

**Catalog Number:**

CL594-98470-2

**Concentration:**

100tests, 5 ul/test

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

EG0819

**GenBank Accession Number:**

NM\_001145873.1

**GeneID (NCBI):**

925

**ENSEMBL Gene ID:**

ENSG00000153563

**UNIPROT ID:**

P01732-1

**Full Name:**

CD8a molecule

**Calculated MW:**

26 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

243018F10

**Recommended Dilutions:**

FC: 5 ul per 10<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maxima wavelengths:**

588 nm / 604 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

human, monkey, non-human primates

**Positive Controls:**

FC : cynomolgus PBMCs,

## 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 and 0.5% BSA, pH7.3

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

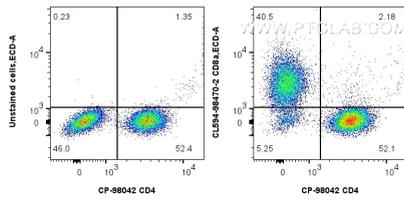
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1x10<sup>6</sup> cynomolgus PBMCs were unstained or surface stained with 5 ul Coralite®594 Anti-Human CD8a Rabbit RecAb (CL594-98470-2, Clone:243018F10). Cells were co-stained with PerCP Anti-Human CD4 Rabbit Recombinant Antibody (CP-98042, Clone: 240427E12). Cells were not fixed. Data shown is gated on CD45<sup>+</sup> CD3<sup>+</sup> population.