

For Research Use Only

FcZero-rAb® CoraLux™ Violet 510 Anti-Human CD8 (SK1) Rabbit Recombinant Antibody

Catalog Number: CLV510-FcA65630



Basic Information

Catalog Number:
CLV510-FcA65630

Concentration:
100tests, 5 ul/test

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC025715

GeneID (NCBI):
925

ENSEMBL Gene ID:
ENSG00000153563

UNIPROT ID:
P01732

Full Name:
CD8a molecule

Calculated MW:
235 aa, 26 kDa

Purification Method:
Protein A purification

CloneNo.:
SK1

Recommended Dilutions:
FC: 5 ul per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
410 nm / 501 nm

Applications

Tested Applications:
FC

Species Specificity:
human, cynomolgus monkey

Positive Controls:
FC : human PBMCs,

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

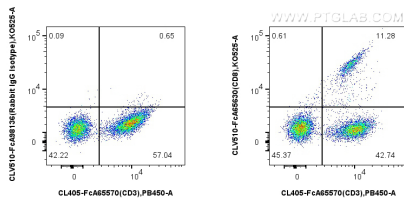
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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



1x10⁶ human PBMCs were surface stained with FcZero-rAb® CoraLite® Plus 405 Anti-Human CD3, and 5 ul CoraLux™ Violet 510 Anti-Human CD8 (SK1) Rabbit RecAb (CLV510-FcA65630, Clone: SK1) or FcZero-rAb® CoraLux™ Violet 510 Rabbit IgG Isotype Control Recombinant Antibody (CLV510-FcA98136, Clone: 240953C9). Cells were not fixed.