

For Research Use Only

CoraLite® Plus 488 Anti-Human CD8a Rabbit scFv Antibody

Catalog Number: CL488-SF98470-2



Basic Information

Catalog Number:
CL488-SF98470-2

Source:
Rabbit

Type:
scFv

Immunogen Catalog Number:
EG0819

GenBank Accession Number:
NM_001145873.1

GeneID (NCBI):
925

ENSEMBL Gene ID:
ENSG00000153563

Full Name:
CD8a molecule

Calculated MW:
26 kDa

Purification Method:
Affinity purification

CloneNo.:
243018F10

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

Excitation/Emission maxima wavelengths:
493 nm / 522 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:

50mM HEPES, 150mM NaCl, 5mM EDTA, 0.1% CHAPS, 10% Sucrose and 0.1% Proclin300, pH7.3

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

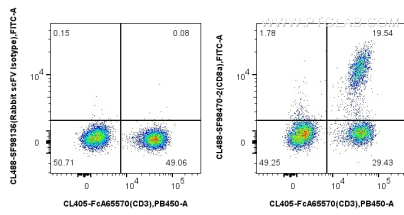
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



1x10⁶ human PBMCs were surface stained with FcZero-rAb® CoraLite® Plus 405 Anti-Human CD3 (UCHT1), and 0.25 ug CoraLite® Plus 488 Cd8a Recombinant Antibody (CL488-SF98470-2, Clone:243018F10) or CoraLite® Plus 488 Rabbit scFv Isotype Control (CL488-SF98136, Clone: 240953C9). Cells were not fixed.