

For Research Use Only

CoraLite® Plus 647 Anti-Human CD4 Rabbit scFv Antibody

Catalog Number: CL647-SF98042



Basic Information

Catalog Number:

CL647-SF98042

GenBank Accession Number:

BC025782

Purification Method:

Affinity purification

Size:

100ug, Concentration: 500 ug/ml by Nanodrop;

GeneID (NCBI):

920

CloneNo.:

240427E12

Source:

Rabbit

ENSEMBL Gene ID:

ENSG00000010610

Recommended Dilutions:

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

Type:

scFv

Full Name:

CD4 molecule

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Immunogen Catalog Number:

EG0333

Calculated MW:

51 kDa

Applications

Tested Applications:

FC

Positive Controls:

FC : human PBMCs,

Species Specificity:

human, monkey, non-human primates

Background Information

CD4 is a 55-kDa transmembrane glycoprotein expressed on T helper cells, the majority of thymocytes, monocytes, macrophages, and dendritic cells (PMID: 9304802; 12213222). CD4 is an accessory protein for MHC class-II antigen/T-cell receptor interaction. It plays an important role in T helper cell development and activation (PMID: 9539765; 3112582). CD4 serves as a receptor for the human immunodeficiency virus (HIV) (PMID: 9304802).

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

*** 20ul sizes contain 0.1% BSA

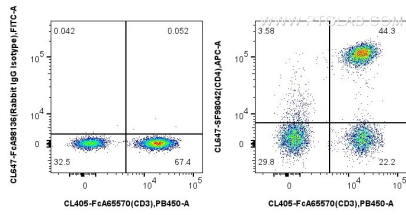
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

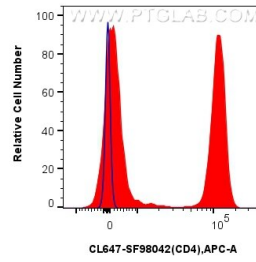
E: proteintech@ptglab.com
W: ptglab.com

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 647 Anti-Human CD4 Rabbit scFv Antibody (CL647-SF98042, Clone: 240427E12) or 0.25 ug FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Human CD4 Rabbit scFv Antibody (CL647-SF98042, Clone: 240427E12) (red) or FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.