

For Research Use Only

# CoraLite® Plus 488 Anti-Human CD4 Rabbit scFv Antibody

Catalog Number: CL488-SF98042



## Basic Information

Catalog Number:

CL488-SF98042

Source:

Rabbit

Type:

scFv

Immunogen Catalog Number:

EG0333

GenBank Accession Number:

BC025782

GeneID (NCBI):

920

ENSEMBL Gene ID:

ENSG00000010610

Full Name:

CD4 molecule

Calculated MW:

51 kDa

Purification Method:

Affinity purification

CloneNo.:

240427E12

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

FC

Species Specificity:

human, monkey, non-human primates

Positive Controls:

FC : human PBMCs,

## 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

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

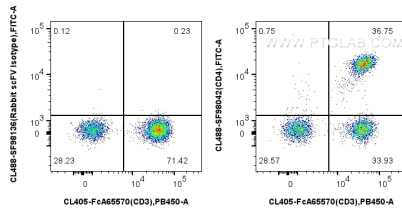
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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> human PBMCs were surface stained with FcZero-rAb@ CoraLite® Plus 405 Anti-Human CD3 (UCHT1), and 0.25 ug CoraLite® Plus 488 Cd4 Recombinant Antibody (CL488-SF98042, Clone:240427E12) or CoraLite® Plus 488 Rabbit scFv Isotype Control (CL488-SF98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.