

For Research Use Only

CoraLite® Plus 488 Anti-Human CD4 Rabbit scFv Antibody

Catalog Number: CL488-SF98042



Basic Information

Catalog Number: CL488-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 10 ⁶ cells in a 100 µl suspension
Type: scFv	Full Name: CD4 molecule	Excitation/Emission maxima wavelengths: 493 nm / 522 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

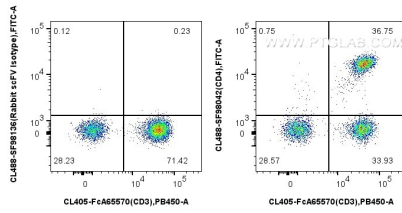
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
50mM HEPES, 150mM NaCl, 5mM EDTA, 0.1% CHAPS, 10% Sucrose and 0.1% Proclin300, pH7.3

*** 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)
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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



1x10⁶ 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.