

For Research Use Only

# Anti-Human CD4 Rabbit scFv Antibody, PBS Only

Catalog Number: SF98042-1-PBS



## Basic Information

<b>Catalog Number:</b> SF98042-1-PBS	<b>GenBank Accession Number:</b> BC025782	<b>Purification Method:</b> Affinity purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 920	<b>CloneNo.:</b> 240427E12
<b>Type:</b> scFv	<b>ENSEMBL Gene ID:</b> ENSG00000010610	
<b>Immunogen Catalog Number:</b> EG0333	<b>Full Name:</b> CD4 molecule	
	<b>Calculated MW:</b> 55 kDa	

## Applications

**Tested Applications:**  
FC, Indirect ELISA

**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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

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

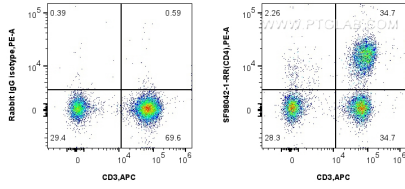
T: 4006900926

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.**

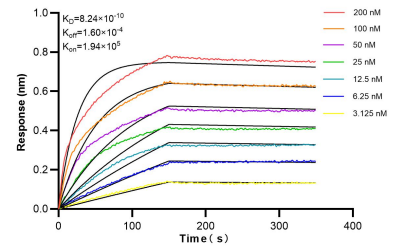
## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug CD4 Recombinant Antibody (SF98042-1-RR, Clone: 240427E12) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE Anti-GGGS Linker Rabbit Recombinant Antibody (PE-98262, Clone: 242306C8). Cells were then stained with APC Anti-Human CD3 (OKT3) Mouse IgG2a Recombinant Antibody (APC-65569, Clone: OKT3). Cells were not fixed. Lymphocytes were gated. This data was



Purity of Recombinant ScFv antibody (Cat No.:SF98042-1-RR) was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and condition and stained using Coomassie blue.



Bilayer interferometry (BLI) kinetic assays of SF98042-1-RR against Human CD4 were performed. The affinity constant is 0.824 nM.