

For Research Use Only

Anti-Human CD4 Rabbit Recombinant Antibody

Catalog Number: 98042-1-RR



Basic Information

Catalog Number: 98042-1-RR	GenBank Accession Number: BC025782	Purification Method: Protein A purification
Size: 100ug, 1 mg/ml	GeneID (NCBI): 920	CloneNo.: 240427E12
Source: Rabbit	ENSEMBL Gene ID: ENSG00000010610	
Isotype: IgG	UNIPROT ID: P01730	
	Full Name: CD4 molecule	
	Calculated MW: 55 kDa	

Applications

Tested Applications:
FC

Species Specificity:
human

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. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

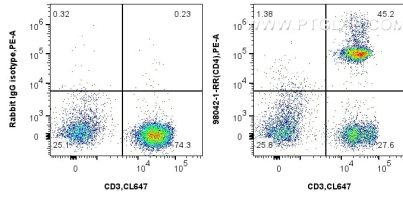
For technical support and original validation data for this product please contact:

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

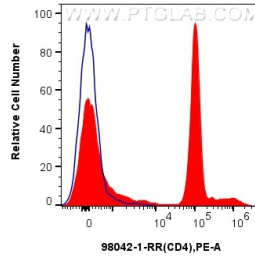
E: proteintech@ptglab.com
W: ptglab.com

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

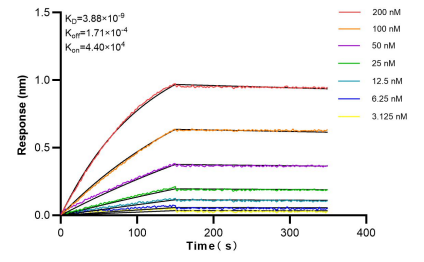
Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD4 Rabbit Recombinant Antibody (98042-1-RR, Clone: 240427E12) or 0.25 ug Isotype Control and PE-conjugated Goat Anti-Rabbit IgG. Cells were then stained with CoraLite® Plus 647 Anti-Human CD3. Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD4 Rabbit Recombinant Antibody (98042-1-RR, Clone: 240427E12) (red) or 0.25 ug Isotype Control (blue) and PE-conjugated Goat Anti-Rabbit IgG. Cells were not fixed. Lymphocytes were gated.



Bioluminescence resonance energy transfer (BRET) kinetic assays of 98042-1-RR against Human CD4 were performed. The affinity constant is 3.88 nM.