

For Research Use Only

Anti-Mouse CD4 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98522-3-PBS



Basic Information

Catalog Number: 98522-3-PBS	GenBank Accession Number: NM_013488	Purification Method: Protein A purification
Concentration: 1mg, 3 mg/ml	GeneID (NCBI): 12504	CloneNo.: 250263B7
Source: Rabbit	UNIPROT ID: P06332	
Isotype: IgG	Full Name: CD4 antigen	
Immunogen Catalog Number: EG3847	Calculated MW: 51 kDa	

Applications

Tested Applications:
FC

Species Specificity:
mouse

Background Information

CD4 is a 55-kDa transmembrane glycoprotein expressed on T helper cells, 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:

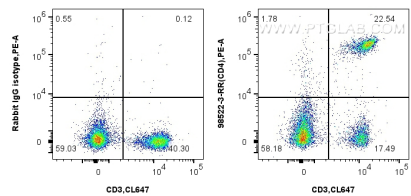
T: 4006900926

E: Proteintech-CN@ptglab.com

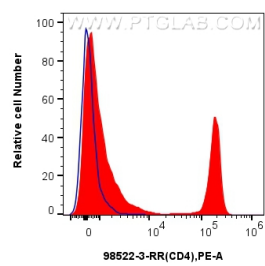
W: ptgcn.com

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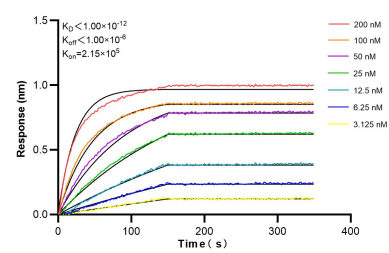
Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.125 ug Anti-Mouse CD4 Rabbit RecAb (98522-3-RR, Clone: 250263B7) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoraLite® Plus 647 Anti-Mouse CD3 (17A2) (CL647-65077, Clone: 17A2). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone.



1x10⁶ mouse splenocytes were surface stained with 0.125 ug Anti-Mouse CD4 Rabbit RecAb (98522-3-RR, Clone: 250263B7) (red) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 98522-3-PBS in a different storage buffer formulation.



Biological layer interferometry (BLI) kinetic assays of 98522-3-RR against Mouse CD4 were performed. The affinity constant is below 1 pM.