

For Research Use Only

Anti-Mouse CD4 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98522-3-PBS



Basic Information

Catalog Number:

98522-3-PBS

Size:

1mg, 3 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3847

GenBank Accession Number:

NM_013488

GeneID (NCBI):

12504

UNIPROT ID:

P06332

Full Name:

CD4 antigen

Calculated MW:

51 kDa

Purification Method:

Protein A purification

CloneNo.:

250263B7

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.

Storage Buffer:

PBS only, pH7.3

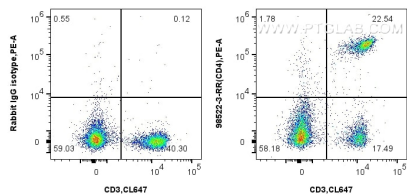
For technical support and original validation data for this product please contact:

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

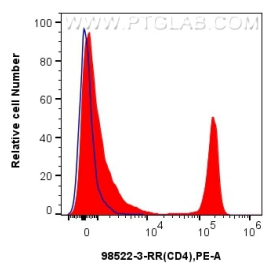
E: proteintech@ptglab.com
W: ptglab.com

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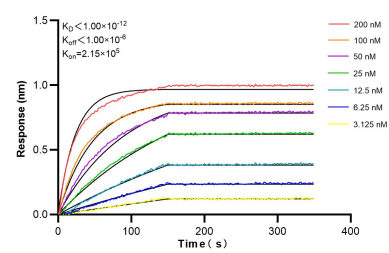
Selected Validation Data



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



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.



Bioluminescence resonance energy transfer (BRET) kinetic assays of 98522-3-RR against Mouse CD4 were performed. The affinity constant is below 1 pM.