

For Research Use Only

Biotin Anti-Mouse CD4 (GK1.5) Rat Recombinant Antibody

Catalog Number: Biotin-65662



Basic Information

Catalog Number:

Biotin-65662

Size:

100ug, 500 ug/ml

Source:

Rat

Isotype:

IgG2a

GenBank Accession Number:

BC039137

GeneID (NCBI):

12504

UNIPROT ID:

P06332

Full Name:

CD4 antigen

Purification Method:

Protein G purification

CloneNo.:

GK1.5

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

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Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse splenocytes,

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 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

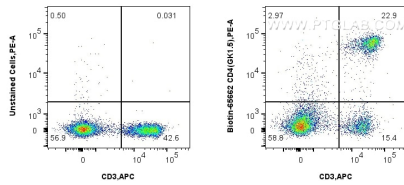
For technical support and original validation data for this product please contact:

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

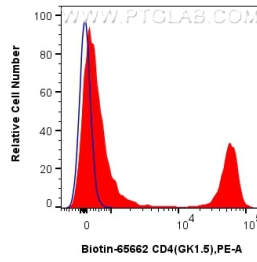
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse CD4 (GK1.5) Rat IgG2a RecAb (Biotin-65662, Clone: GK1.5) or unstained, and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with APC Anti-Mouse CD3 (17A2) (APC-65077, Clone: 17A2). Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse CD4 (GK1.5) Rat IgG2a RecAb (Biotin-65662, Clone: GK1.5) (red) or unstained (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.