

For Research Use Only

FcZero-rAb® Biotin Anti-Human CD4 Mouse Recombinant Antibody

Catalog Number: Biotin-FcA98746



Basic Information

Catalog Number:

Biotin-FcA98746

Concentration:

100ug, 500 ug/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

GeneID (NCBI):

920

ENSEMBL Gene ID:

ENSG00000010610

Full Name:

CD4 molecule

Purification Method:

Protein A purification

CloneNo.:

253529A1

Recommended Dilutions:

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

Excitation/Emission maxima wavelengths:

-

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

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:

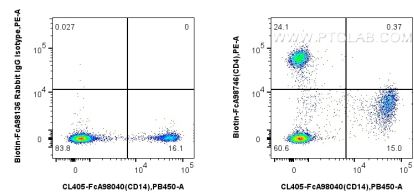
T: 4006900926

E: Proteintech-CN@ptglab.com

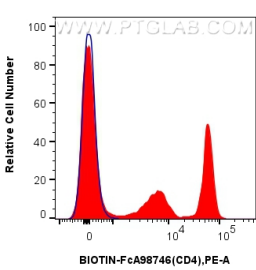
W: ptgcn.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD4 Mouse RecAb (Biotin-FcA98746, Clone: FcA253529A1R) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with FcZero-rAb™ CoraLite® Plus 405 Anti-Human CD14 Rabbit Recombinant Antibody (CL405-FcA98040, Clone: 230332D7). Cells were incubated with



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD4 Mouse RecAb (Biotin-FcA98746, Clone: FcA253529A1R) (red) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.