

For Research Use Only

Biotin Anti-Human CD4 (OKT4) Rabbit IgG Recombinant Antibody

Catalog Number: Biotin-65505



Basic Information

Catalog Number:

Biotin-65505

Concentration:

100ug, 500 μ g/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC025782

GeneID (NCBI):

920

ENSEMBL Gene ID:

ENSG00000010610

UNIPROT ID:

P01730

Full Name:

CD4 molecule

Calculated MW:

55 kDa

Purification Method:

Affinity purification

CloneNo.:

OKT4

Recommended Dilutions:

FC: 0.25 μ g per 10^6 cells in 100 μ l suspension

Applications

Tested Applications:

FC, ELISA

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:

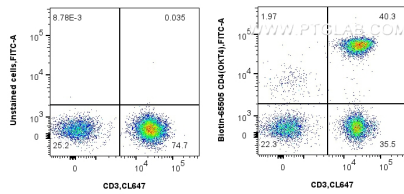
T: 4006900926

E: Proteintech-CN@ptglab.com

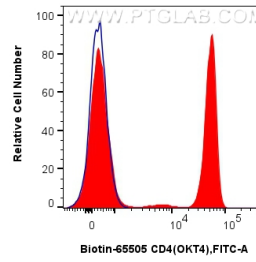
W: ptgcn.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD4 Rabbit IgG Recombinant Antibody (Biotin-65505, Clone: OKT4) and CoraLite®488-conjugated streptavidin, or unstained. 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 Biotin Anti-Human CD4 Rabbit IgG Recombinant Antibody (Biotin-65505, Clone: OKT4) and CoraLite®488-conjugated streptavidin (red), or unstained (blue). Cells were not fixed. Lymphocytes were gated.