

For Research Use Only

Anti-Human CD4 (OKT4) Rabbit IgG Recombinant Antibody, PBS Only

Catalog Number: 65505-1-PBS



Basic Information

Catalog Number:

65505-1-PBS

Concentration:

1mg, 2 mg/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: 0.1 ug per 10⁶ cells in 100 μ l suspension

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 -80°C. Stable for one year after shipment.

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:

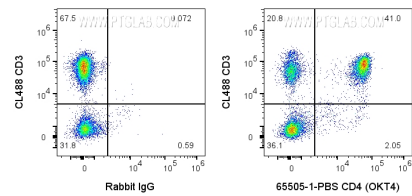
T: 4006900926

E: Proteintech-CN@ptglab.com

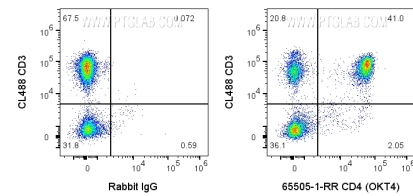
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

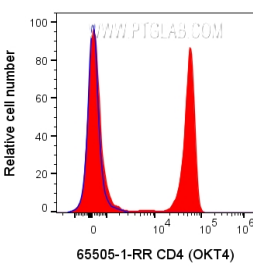
Selected Validation Data



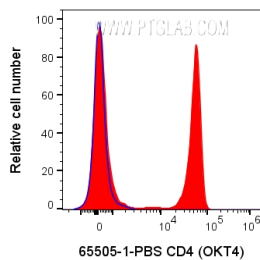
1X10⁶ human PBMCs were surface stained with 0.1 ug Anti-Human CD4 Rabbit Recombinant Antibody (65505-1-PBS, Clone:OKT4) or Rabbit IgG control PolyAb, and CoraLite®647-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000. Cells were then stained with CL488 Anti-Human CD3. Cells were not fixed. Lymphocytes were gated.



1X10⁶ human PBMCs were surface stained with 0.1 ug Anti-Human CD4 Rabbit Recombinant Antibody (65505-1-RR, Clone:OKT4) or Rabbit IgG control PolyAb, and CoraLite®647-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000. Cells were then stained with CL488 Anti-Human CD3. Cells were not fixed. Lymphocytes were gated. This data was developed using the same antibody clone with 65505-1-PBS in a different storage buffer formulation.



1X10⁶ human PBMCs were surface stained with 0.1 ug Anti-Human CD4 Rabbit Recombinant Antibody (65505-1-RR, Clone:OKT4) or Rabbit IgG control PolyAb, and CoraLite®647-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000. Cells were not fixed. Lymphocytes were gated. This data was developed using the same antibody clone with 65505-1-PBS in a different storage buffer formulation.



1X10⁶ human PBMCs were surface stained with 0.1 ug Anti-Human CD4 Rabbit Recombinant Antibody (65505-1-PBS, Clone:OKT4) or Rabbit IgG control PolyAb, and CoraLite®647-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000. Cells were not fixed. Lymphocytes were gated.