For Research Use Only

Anti-Human CD4 (RPA-T4)

Catalog Number:65143-1-Ig 3 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
65143-1-Ig

Concentration:
500ug, 0.5 mg/ml

Source:
Mouse

Isotype:
IgG1, kappa

GenBank Accession Number:
BC025782

GeneID (NCBI):
920

ENSEMBL Gene ID:
ENSG00000010610

UNIPROT ID:
P01730

Full Name:
CD4 molecule

Calculated MW:
51 kDa

Purification Method:
Affinity purification

CloneNo.:
RPA-T4

Recommended Dilutions:
FC: 0.2 ug per 10^6 cells in 100 ul suspension

Applications

Tested Applications:
FC

Cited Applications:
IF, FC

Species Specificity:
human

Cited Species:
human, mouse

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Lu Tan	35255541	Allergy Asthma Immunol Res	IF
Lin Liu	41025963	Mol Carcinog	FC
Bo Zou	41146657	Mater Today Bio	FC

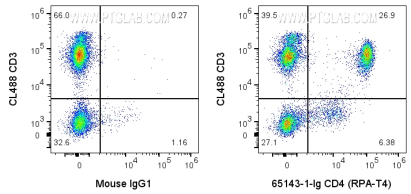
Storage

Storage:
Store at 2-8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

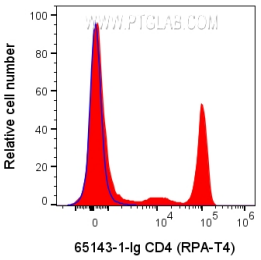
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

Selected Validation Data



1x10^6 human PBMCs were surface stained with 0.2 ug Anti-Human CD4 (65143-1-Ig, Clone:RPA-T4) or Mouse IgG1 Isotype Control and Multi-rAb CoraLite ® Plus 647-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM005) at dilution 1:1000. Cells were then stained with CL488-conjugated Anti-Human CD3 (CL488-65151). Cells were not fixed. Lymphocytes were gated.



1x10^6 human PBMCs were surface stained with 0.2 ug Anti-Human CD4 (65143-1-Ig, Clone:RPA-T4) or Mouse IgG1 Isotype Control and Multi-rAb CoraLite ® Plus 647-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM005) at dilution 1:1000. Cells were not fixed. Lymphocytes were gated.