For Research Use Only

Cardinal Red™ Anti-Human CD4 (RPA-T4)

Catalog Number:CR-65143

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

Basic Information

Catalog Number:
CR-65143

Concentration:
100tests, 5 ul/test

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:
55 kDa

Purification Method:
Affinity purification

CloneNo.:
RPA-T4

Recommended Dilutions:
FC: 5 ul per 10^6 cells in 100 μl suspension

Excitation/Emission maxima wavelengths:
592 nm / 611 nm

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).

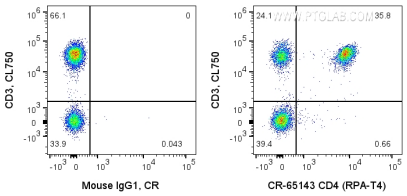
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

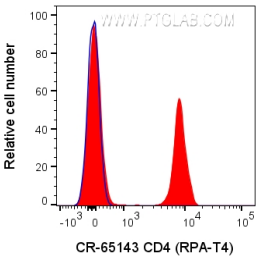
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

Selected Validation Data



1X10^6 human PBMCs were surface co-stained with CoraLite® Plus 750 Anti-Human CD3 and 5 ul Cardinal Red™ Anti-Human CD4 (CR-65143, Clone:RPA-T4) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



1X10^6 human PBMCs were surface stained with 5 ul Cardinal Red™ Anti-Human CD4 (CR-65143, Clone:RPA-T4) (red) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.