

For Research Use Only

# CoraLite® Plus 647 Anti-Mouse CD4 (RM4-5)



Catalog Number: **CL647-65141**

## Basic Information

Catalog Number:

CL647-65141

Size:

100ug, 0.5 mg/ml

Source:

Rat

Isotype:

IgG2a, kappa

GenBank Accession Number:

BC039137

GeneID (NCBI):

12504

Full Name:

CD4 antigen

Purification Method:

Affinity purification

CloneNo.:

RM4-5

Recommended Dilutions:

IF/ICC 1:250-1:1000

Excitation/Emission maxima  
wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC, IF/ICC

Species Specificity:

Mouse

Positive Controls:

IF/ICC : mouse splenocytes,

## 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 0.1% sodium azide and 0.5% BSA, pH 7.3.

For technical support and original validation data for this product please contact:

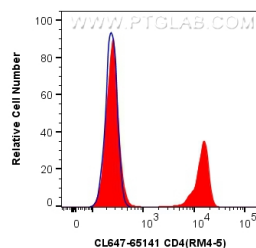
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

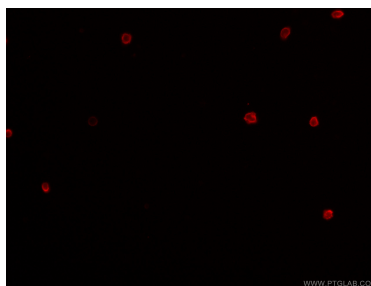
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> BALB/c mouse splenocytes were surface stained with 0.125 ug CoraLite® Plus 647 Anti-Mouse CD4 (CL647-65141, Clone: RM4-5) (red), or 0.125 ug Control Antibody. Cells were not fixed.



Immunofluorescent analysis of mouse splenocytes using CoraLite® Plus 647-conjugated Anti-Mouse CD4 (CL647-65141, Clone: RM4-5) at dilution of 1:500.