

For Research Use Only

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



Catalog Number: **CL647-65141**

## Basic Information

<b>Catalog Number:</b> CL647-65141	<b>GenBank Accession Number:</b> BC039137	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 12504	<b>CloneNo.:</b> RM4-5
<b>Source:</b> Rat	<b>Full Name:</b> CD4 antigen	<b>Recommended Dilutions:</b> IF 1:250-1:1000
<b>Isotype:</b> IgG2a, kappa		<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm

## Applications

<b>Tested Applications:</b> FC, IF	<b>Positive Controls:</b> IF : mouse splenocytes,
<b>Species Specificity:</b> Mouse	

## 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).

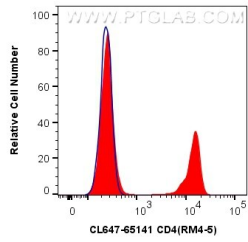
## Storage

**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.

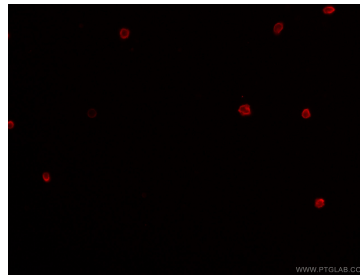
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



$1 \times 10^6$  BALB/c mouse splenocytes were surface stained with 0.125  $\mu$ g CoraLite® Plus 647 Anti-Mouse CD4 (CL647-65141, Clone: RM4-5) (red), or 0.125  $\mu$ g 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.