

For Research Use Only

# CoraLite® Plus 555 Anti-Mouse CD4 (RM4-5)



Catalog Number: **CL555-65141**

## Basic Information

<b>Catalog Number:</b> CL555-65141	<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>Excitation/Emission maxima wavelengths:</b> 554 nm / 570 nm
<b>Isotype:</b> IgG2a, kappa		

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
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

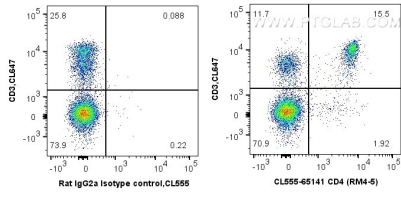
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide.

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

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## Selected Validation Data



1X10<sup>6</sup> mouse splenocytes were surface co-stained with CoraLite® Plus 647 Anti-Mouse CD3 and 0.5 ug CoraLite® Plus 555 Anti-Mouse CD4 (CL555-65141, Clone: RM4-5) or 0.5 ug Isotype Control. Cells were not fixed.