

For Research Use Only

# CoraLite® Plus 488 Anti-Mouse CD4 (RM4-5)



Catalog Number: **CL488-65141** **2 Publications**

## Basic Information

<b>Catalog Number:</b> CL488-65141	<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> 493 nm / 522 nm

## Applications

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

## Notable Publications

Author	Pubmed ID	Journal	Application
Xinyan Zhou	36171212	Nat Commun	IF
Yuqi Yang	38291473	Cell Commun Signal	IF

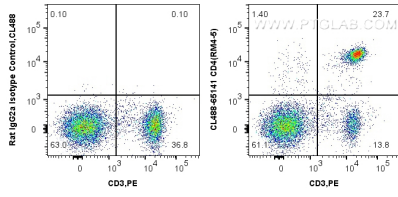
## Storage

**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.

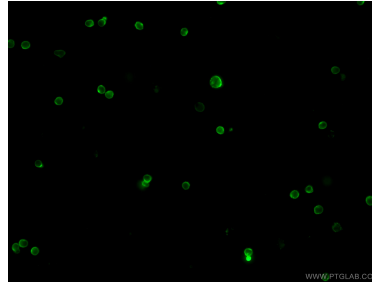
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## Selected Validation Data



1X10<sup>6</sup> BALB/C mouse splenocytes were surface co-stained with PE Anti-Mouse CD3 (17A2) and 0.25 ug CoraLite® Plus 488 Anti-Mouse CD4 (CL488-65141, Clone:RM4-5) or 0.25 ug CoraLite® Plus 488 Rat IgG2a Isotype Control (2A3). Cells were not fixed.



Immunofluorescent analysis of mouse splenocytes using CoraLite® Plus 488-conjugated Anti-Mouse CD4 (CL488-65141, Clone: RM4-5) at dilution of 1:500.