

For Research Use Only

# CoraLite® Plus 405 Anti-Mouse CD4 (RM4-4) Rat IgG2a Recombinant Antibody

Catalog Number: CL405-65655



## Basic Information

Catalog Number:

CL405-65655

Concentration:

100ug, 500 ug/ml

Source:

Rat

Isotype:

IgG2a

GenBank Accession Number:

BC039137

GeneID (NCBI):

12504

UNIPROT ID:

P06332

Full Name:

CD4 antigen

Purification Method:

Protein A purification

CloneNo.:

RM4-4

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

399 nm / 422 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : 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 0.09% sodium azide, pH7.3

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

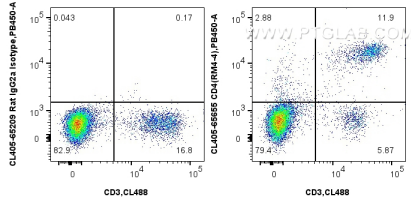
T: 4006900926

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

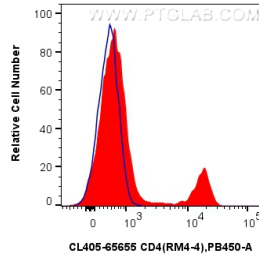
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with CoraLite® Plus 488 Anti-Mouse CD3, and 0.25 ug CoraLite® Plus 405 Anti-Mouse CD4 (RM4-4) Rat IgG2a RecAb (CL405-65655, Clone: RM4-4) or CoraLite® Plus 405 Rat IgG2a Isotype Control (2A3) (CL405-65209, Clone: 2A3). Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 405 Anti-Mouse CD4 (RM4-4) Rat IgG2a RecAb (CL405-65655, Clone: RM4-4) (red) or CoraLite® Plus 405 Rat IgG2a Isotype Control (2A3) (CL405-65209, Clone: 2A3) (blue). Cells were not fixed.