

For Research Use Only

# CoraLite®700 Anti-Mouse CD4 (RM4-4) Rat IgG2a Recombinant Antibody

Catalog Number:CL700-65655



## Basic Information

Catalog Number:

CL700-65655

Size:

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:

702 nm / 723 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

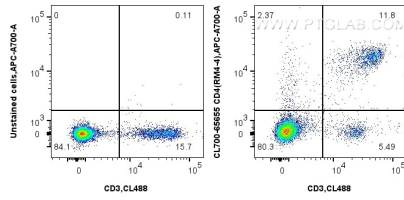
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

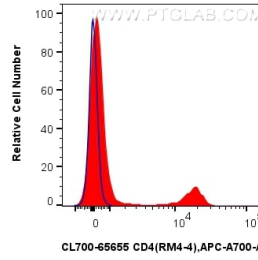
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with CoraLite® Plus 488 Anti-Mouse CD3, and 0.25 ug CoraLite®700 Anti-Mouse CD4 (RM4-4) Rat IgG2a RecAb (CL700-65655, Clone: RM4-4) or unstained. Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug CoraLite®700 Anti-Mouse CD4 (RM4-4) Rat IgG2a RecAb (CL700-65655, Clone: RM4-4) (red) or unstained (blue). Cells were not fixed.