

For Research Use Only

# CoraLite® Plus 647 Anti-Mouse CXCR4/CD184 Rabbit Recombinant Antibody

Catalog Number: **CL647-98233**



## Basic Information

Catalog Number:

CL647-98233

Size:

100ug , 500 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_009911.3

GeneID (NCBI):

12767

UNIPROT ID:

P70658

Full Name:

chemokine (C-X-C motif) receptor 4

Calculated MW:

40kDa

Purification Method:

Protein A purification

CloneNo.:

241956H2

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

## Background Information

C-X-C chemokine receptor type 4 (CXCR4, also known as CD184) is a widely expressed G protein-coupled seven-transmembrane receptor. CXCL12/SDF-1 is the biological ligand for CXCR4. The binding of CXCL12 to CXCR4 induces intracellular signaling through several divergent pathways initiating signals related to chemotaxis, cell survival and/or proliferation, increase in intracellular calcium, and gene transcription (PMID: 20484021). CXCR4 also functions as a coreceptor for HIV-1 entry (PMID: 9427609).

## 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.

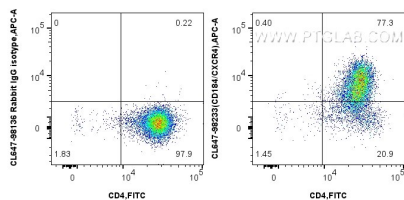
For technical support and original validation data for this product please contact:

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

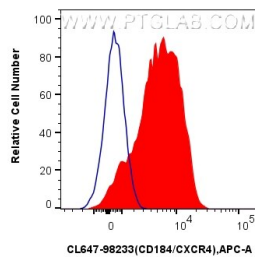
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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 thymocytes were surface stained with FITC CD4 (GK1.5) (FITC-65104, Clone: GK1.5), and 0.25 ug CoraLite® Plus 647 Anti-Mouse CXCR4/CD184 Rabbit Recombinant Antibody (CL647-98233, Clone: 241956H2) or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse thymocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD24 Rabbit Recombinant Antibody (CL647-98233, Clone: 241956H2) (red) or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). Cells were not fixed.