

For Research Use Only

# Biotin Anti-Human CXCR4/CD184 Rabbit Recombinant Antibody

Catalog Number: Biotin-98175



## Basic Information

Catalog Number:

Biotin-98175

Size:

100ug , 500 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC020968

GeneID (NCBI):

7852

UNIPROT ID:

P61073

Full Name:

chemokine (C-X-C motif) receptor 4

Calculated MW:

352 aa, 40 kDa

Purification Method:

Protein A purification

CloneNo.:

241735F8

Recommended Dilutions:

FC: 5 ul per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

-

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

## 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 and 0.5% BSA, pH7.3

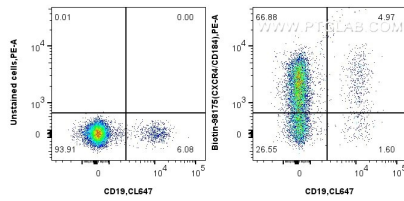
For technical support and original validation data for this product please contact:

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

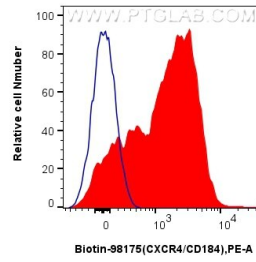
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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> human PBMCs were surface stained with CoraLite® Plus 647 Anti-Human CD19 (4G7) Mouse IgG2a Recombinant Antibody (CL647-65562, Clone: 4G7), 0.25 ug Biotin Anti-Human CXCR4/CD184 Rabbit RecAb (Biotin-98175, Clone: 241735F8) or unstained, and PE-conjugated streptavidin. Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CXCR4/CD184 Rabbit RecAb (Biotin-98175, Clone: 241735F8) (red) or unstained (blue), and PE-conjugated streptavidin. Cells were not fixed. Lymphocytes were gated.