

For Research Use Only

# Biotin Anti-Mouse CXCR4/CD184 Rabbit Recombinant Antibody

Catalog Number: Biotin-98233



## Basic Information

|                                            |                                                         |                                                                                               |
|--------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Catalog Number:</b><br>Biotin-98233     | <b>GenBank Accession Number:</b><br>NM_009911.3         | <b>Purification Method:</b><br>Protein A purification                                         |
| <b>Concentration:</b><br>100ug, 500 ug/ml  | <b>GeneID (NCBI):</b><br>12767                          | <b>CloneNo.:</b><br>241956H2                                                                  |
| <b>Source:</b><br>Rabbit                   | <b>UNIPROT ID:</b><br>P70658                            | <b>Recommended Dilutions:</b><br>FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension |
| <b>Isotype:</b><br>IgG                     | <b>Full Name:</b><br>chemokine (C-X-C motif) receptor 4 | <b>Excitation/Emission maxima wavelengths:</b><br>-                                           |
| <b>Immunogen Catalog Number:</b><br>EG2231 | <b>Calculated MW:</b><br>40kDa                          |                                                                                               |

## Applications

|                                          |                                                     |
|------------------------------------------|-----------------------------------------------------|
| <b>Tested Applications:</b><br>FC, ELISA | <b>Positive Controls:</b><br>FC : mouse thymocytes, |
| <b>Species Specificity:</b><br>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, pH7.3

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

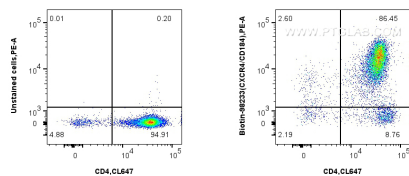
T: 4006900926

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

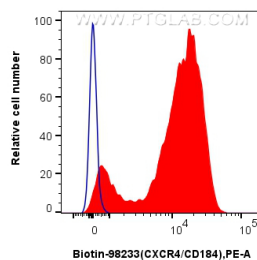
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> mouse thymocytes were surface stained with CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5) (CL647-65104, Clone: GK1.5), and 0.25 ug Biotin Anti-Mouse CXCR4/CD184 Rabbit RecAb (Biotin-98233, Clone: 241956H2) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse thymocytes were surface stained with 0.25 ug Biotin Anti-Mouse CXCR4/CD184 Rabbit RecAb (Biotin-98233, Clone: 241956H2) (red) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were not fixed.