

For Research Use Only

# Anti-Human CXCR4/CD184 Rabbit Recombinant Antibody

Catalog Number: 98175-1-RR



## Basic Information

<b>Catalog Number:</b> 98175-1-RR	<b>GenBank Accession Number:</b> BC020968	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 1000 µg/ml	<b>GeneID (NCBI):</b> 7852	<b>CloneNo.:</b> 241735F8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P61073	
<b>Isotype:</b> IgG	<b>Full Name:</b> chemokine (C-X-C motif) receptor 4	
	<b>Calculated MW:</b> 352 aa, 40 kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
human

## 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. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide, pH 7.3.

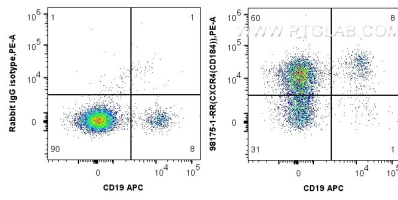
For technical support and original validation data for this product please contact:

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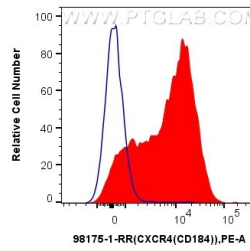
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CXCR4/CD184 Rabbit Recombinant Antibody (98175-1-RR, Clone: 241735F8), or Isotype Control, and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with CoraLite® Plus 647 Anti-Human CD19. Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CXCR4/CD184 Rabbit Recombinant Antibody (98175-1-RR, Clone: 241735F8) (red) or Isotype Control (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. Lymphocytes were gated.