

For Research Use Only

Anti-Human CXCR4/CD184 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98175-1-PBS



Basic Information

| | | |
|---------------------------------------|---|---|
| Catalog Number: 98175-1-PBS | GenBank Accession Number: BC020968 | Purification Method: Protein A purification |
| Size: 1mg, 2 mg/ml | GeneID (NCBI): 7852 | CloneNo.: 241735F8 |
| Source: Rabbit | UNIPROT ID: P61073 | |
| Isotype: IgG | Full Name: chemokine (C-X-C motif) receptor 4 | |
| | Calculated MW: 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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

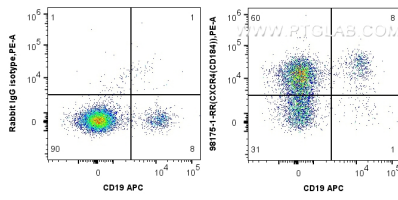
T: 4006900926

E: Proteintech-CN@ptglab.com

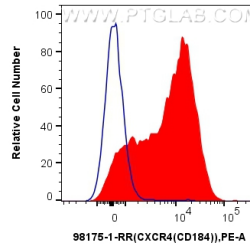
W: ptgcn.com

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Selected Validation Data



1x10⁶ 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. This data was developed using the same antibody clone with 98175-1-PBS in a different storage buffer formulation.



1x10⁶ 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. This data was developed using the same antibody clone with 98175-1-PBS in a different storage buffer formulation.