

For Research Use Only



FcZero-rAb® Biotin Anti-Human CXCR4/CD184 Rabbit Recombinant Antibody

Catalog Number: **Biotin-FcA98175**

Basic Information

Catalog Number: Biotin-FcA98175	GenBank Accession Number: BC020968	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 7852	CloneNo.: 241735F8
Source: Rabbit	UNIPROT ID: P61073	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: chemokine (C-X-C motif) receptor 4	Excitation/Emission maxima wavelengths: -
	Calculated MW: 352 aa, 40 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : human PBMCs,
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. 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:

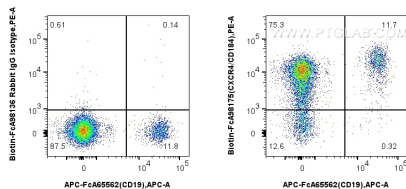
T: 4006900926

E: Proteintech-CN@ptglab.com

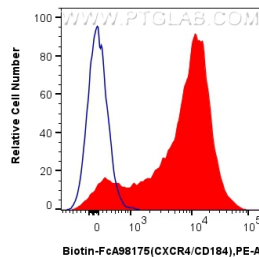
W: ptgcn.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CXCR4/CD184 Rabbit RecAb (Biotin-FcA98175, Clone: 241735F8) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with FcZero-rAb® APC Anti-Human CD19 (4G7) Rabbit Recombinant Antibody (APC-FcA65562, Clone: 4G7). Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CXCR4/CD184 Rabbit RecAb (Biotin-FcA98175, Clone: 241735F8) (red) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed. Lymphocytes were gated.