

For Research Use Only

FcZero-rAb™ PE Anti-Human CXCR4/CD184 Rabbit Recombinant Antibody

Catalog Number: PE-FcA98175



Basic Information

Catalog Number: PE-FcA98175	GenBank Accession Number: BC020968	Purification Method: Protein A purification
Concentration: 100 tests, 5 µl/test	GeneID (NCBI): 7852	CloneNo.: 241735F8
Source: Rabbit	Full Name: chemokine (C-X-C motif) receptor 4	Recommended Dilutions: FC: 5 µl per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Calculated MW: 352 aa, 40 kDa	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm

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 and 0.5% BSA, pH7.3

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

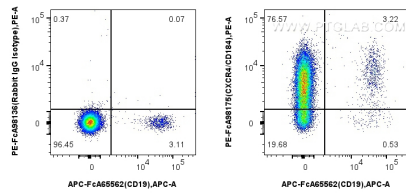
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Selected Validation Data



1x10⁶ human PBMCs were surface stained with FcZero-rAb™ APC Anti-Human CD19 (4G7), and 5 ul PE Anti-Human CXCR4/CD184 Rabbit RecAb (PE-FcA98175, Clone: 241735F8) or PE Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9). Cells were not fixed.