

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

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC020968

GeneID (NCBI):

7852

UNIPROT ID:

P61073

Full Name:

chemokine (C-X-C motif) receptor 4

Calculated MW:

352 aa, 40 kDa

Purification Method:

Protein A purification

CloneNo.:

241735F8

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.

Storage Buffer:

PBS Only

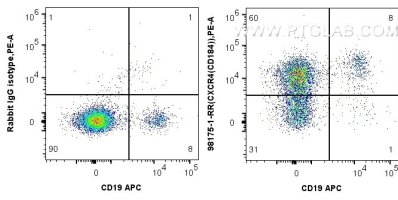
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

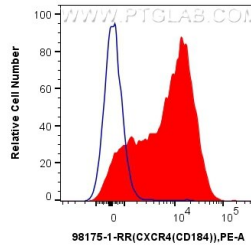
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.