

For Research Use Only

FcZero-rAb® PE-CoraLite® Plus 594 Anti-Human CXCR4/CD184 Rabbit Recombinant Antibody

Catalog Number: PCL594-FcA98175



Basic Information

Catalog Number:
PCL594-FcA98175

Size:
100 tests, 5 µl/test

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

Recommended Dilutions:
FC: 5 µl per 10⁶ cells in a 100 µl
suspension

Excitation/Emission maxima
wavelengths:
496 nm, 565 nm / 604 nm

Applications

Tested Applications:
FC

Species Specificity:
human

Positive Controls:

FC : human PBMCs,

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

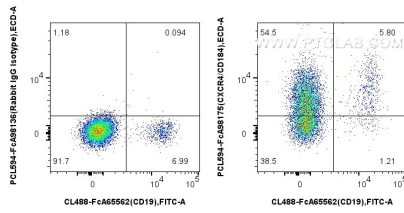
For technical support and original validation data for this product please contact:

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

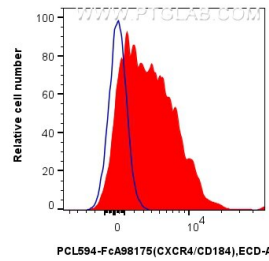
E: proteintech@ptglab.com
W: ptglab.com

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 CoraLite® Plus 488 Anti-Human CD19 (4G7), and 5 ul PE-CoraLite® Plus 594 Anti-Human CXCR4/CD184 Rabbit RecAb (PCL594-FcA98175, Clone: 241735F8) or FcZero-rAb® PE-CoraLite® Plus 594 Rabbit IgG Isotype Control Recombinant Antibody (PCL594-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 5 ul PE-CoraLite® Plus 594 Anti-Human CXCR4/CD184 Rabbit RecAb (PCL594-FcA98175, Clone: 241735F8) (red) or FcZero-rAb® PE-CoraLite® Plus 594 Rabbit IgG Isotype Control Recombinant Antibody (PCL594-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.