

For Research Use Only

CoraLite® Plus 488 Anti-Mouse CXCR4/CD184 Rabbit Recombinant Antibody

Catalog Number: CL488-98233



Basic Information

Catalog Number:

CL488-98233

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG2231

GenBank Accession Number:

NM_009911.3

GeneID (NCBI):

12767

UNIPROT ID:

P70658

Full Name:

chemokine (C-X-C motif) receptor 4

Calculated MW:

40kDa

Purification Method:

Protein A purification

CloneNo.:

241956H2

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse thymocytes,

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:

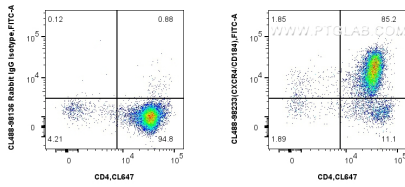
T: 4006900926

E: Proteintech-CN@ptglab.com

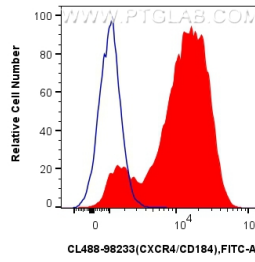
W: ptgcn.com

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Selected Validation Data



1x10⁶ mouse thymocytes were surface stained with CoraLite® Plus 647 Anti-Mouse CD4, and 0.25 ug CoraLite® Plus 488 Anti-Mouse CXCR4/CD184 Rabbit RecAb (CL488-98233, Clone:241956H2) or CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ mouse thymocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse CXCR4/CD184 Rabbit RecAb (CL488-98233, Clone:241956H2) (red) or CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-98136, Clone: 240953C9) (blue). Cells were not fixed.