

For Research Use Only

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

Catalog Number: CL488-98233



Basic Information

Catalog Number: CL488-98233	GenBank Accession Number: NM_009911.3	Purification Method: Protein A purification
Size: 100ug , 500 ug/ml	GeneID (NCBI): 12767	CloneNo.: 241956H2
Source: Rabbit	UNIPROT ID: P70658	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: 493 nm / 522 nm
Immunogen Catalog Number: EG2231	Calculated MW: 40kDa	

Applications

Tested Applications: FC	Positive Controls: FC : mouse thymocytes,
Species Specificity: mouse	

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).

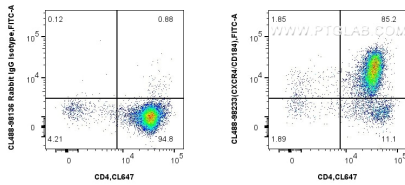
Storage

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

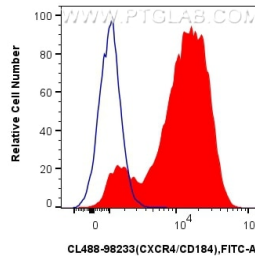
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

Selected Validation Data



1x10⁶ 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.