

For Research Use Only



CoraLite® Plus 488-conjugated CXCR3B-specific Monoclonal antibody

Catalog Number: CL488-60065

Featured Product

Basic Information

Catalog Number: CL488-60065	GenBank Accession Number: AF469635	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2833	CloneNo.: 1B2D6
Source: Mouse	Full Name: chemokine (C-X-C motif) receptor 3	Excitation/Emission maximum wavelengths: 493 nm / 522 nm
Isotype: IgG2b	Calculated MW: 46 kDa	
	Observed MW: 40 kDa+43 kDa	

Applications

Tested Applications:
FC

Species Specificity:
human

Background Information

CXCR3 (C-X-C chemokine receptor type 3) is a G protein-coupled, seven-transmembrane domain chemokine receptor that is expressed on the surface of a number of cell types, including activated CD4+ and CD8+ T cells, NK and NK-T cells, plasmacytoid dendritic cells, and some B cells (PMID: 16847335). CXCR3 binds and is activated by the three IFN-gamma-inducible chemokines: CXCL9, CXCL10, and CXCL11. Binding of these ligands to CXCR3 has been implicated in regulating T-cell infiltration during inflammation and tissue injury (PMID: 17250586). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. One of the isoforms, CXCR3B, mediates the angiostatic activity of CXCR3 ligands and also acts as functional receptor for CXCL4 (PMID:12782716). This monoclonal antibody is specific to CXCR3B.

Storage

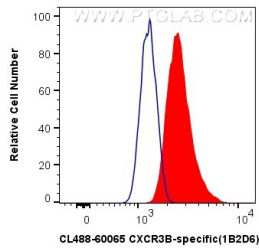
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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 U-937 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human CXCR3B-specific (CL488-60065, Clone:1B2D6) (red), or 0.8 ug Mouse IgG2b Isotype Control (CL488-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).