

For Research Use Only

CoraLite®594-conjugated CXCR3B-specific Monoclonal antibody



Catalog Number: CL594-60065

Featured Product

Basic Information

Catalog Number:

CL594-60065

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

GenBank Accession Number:

AF469635

GeneID (NCBI):

2833

UNIPROT ID:

P49682

Full Name:

chemokine (C-X-C motif) receptor 3

Calculated MW:

46 kDa

Observed MW:

40 kDa+43 kDa

Purification Method:

Protein A purification

CloneNo.:

1B2D6

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

FC (Intra)

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

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

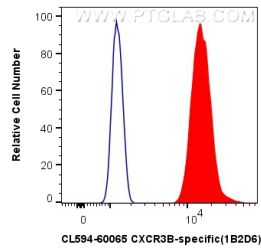
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



1×10^6 U-937 cells were intracellularly stained with 0.8 μ g CoraLite®594 Anti-Human CXCR3B-specific (CL594-60065, Clone:1B2D6) (red), or 0.8 μ g Mouse IgG2b Isotype Control (CL594-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).