

For Research Use Only

CXCR3B-specific Monoclonal ANTIBODY



Catalog Number: 60065-1-Ig

Featured Product

7 Publications

Basic Information

Catalog Number:
60065-1-Ig

Size:
150 µg/150 µl

Source:
Mouse

Isotype:
IgG2b

Purification Method:
Caprylic acid/ammonium sulfate precipitation

Immunogen Catalog Number:

GenBank Accession Number:
AF469635

GeneID (NCBI):
2833

Full Name:
chemokine (C-X-C motif) receptor 3

Calculated MW:
46 kDa

Observed MW:
40 kDa+43 kDa

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

FC, IF, WB

Species Specificity:

human

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells; U-937 cells, Jurkat cells

IHC : human tonsillitis tissue; human liver cancer tissue, human brain tissue

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 (PMD: 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 (PMD: 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 (PMD:12782716). This monoclonal antibody is specific to CXCR3B.

Notable Publications

Author	Pubmed ID	Journal	Application
Luisa Hueso	29795466	Int J Obes (Lond)	WB,IF
Meri K Tulic	31097717	Nat Commun	IF
Richard J Bodnar	26207932	Wound Repair Regen	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

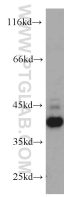
For technical support and original validation data for this product please contact:

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

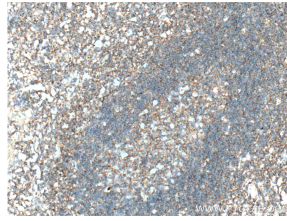
E: proteintech@ptglab.com
W: ptglab.com

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

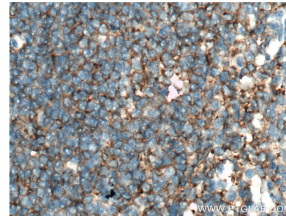
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 60065-1-Ig(CXCR3B-specific antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60065-1-Ig CXCR3B-specific antibody at dilution of 1:200 (under 10x lens), heat mediated antigen retrieved with Tris-EDTA buffer(pH9).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60065-1-Ig CXCR3B-specific antibody at dilution of 1:200 (under 40x lens), heat mediated antigen retrieved with Tris-EDTA buffer(pH9).