

For Research Use Only

# CXCR3B-specific Monoclonal antibody

Catalog Number: 60065-1-Ig

Featured Product

16 Publications



## Basic Information

Catalog Number:

60065-1-Ig

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

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:

43 kDa

Purification Method:

Protein A purification

CloneNo.:

1B2D6

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:50-1:500

IF-P 1:200-1:800

## Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human, mouse

**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 : MOLT-4 cells, HT-29 cells, Jurkat cells, K-562 cells, U-937 cells

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

IF-P : human tonsillitis 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 (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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Namita Kundu	31619923	Breast Cancer (Auckl)	FC
Khanh T P Nguyen	31785332	Cell Signal	
Luisa Hueso	29795466	Int J Obes (Lond)	WB,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

\*\*\* 20ul sizes contain 0.1% BSA

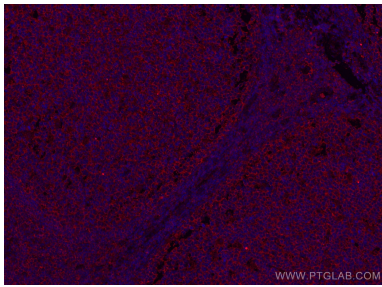
For technical support and original validation data for this product please contact:

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

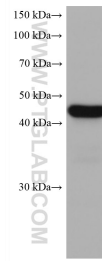
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

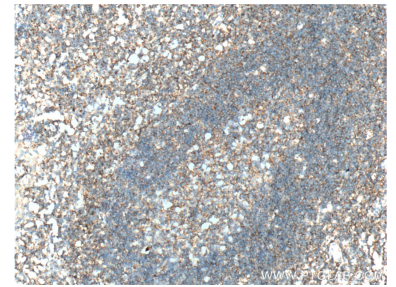
## Selected Validation Data



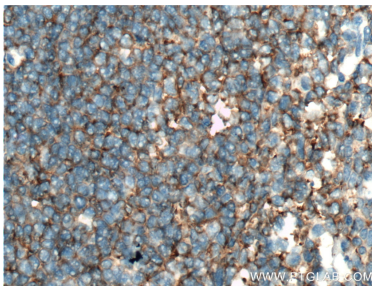
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using CXCR3B-specific antibody (60065-1-Ig, Clone: 1B2D6) at dilution of 1:400 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM004). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



MOLT-4 cells were subjected to SDS PAGE followed by western blot with 60065-1-Ig (CXCR3B-specific antibody) at dilution of 1:3000 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 retrieval with Tris-EDTA buffer (pH 9.0).



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 retrieval with Tris-EDTA buffer (pH 9.0).