

For Research Use Only

CX3CR1 Monoclonal antibody

Catalog Number: 66915-1-Ig



Basic Information

Catalog Number: 66915-1-Ig	GenBank Accession Number: BC028078	Purification Method: Protein A purification
Size: 1800 µg/ml	GeneID (NCBI): 1524	CloneNo.: 3D3B8
Source: Mouse	UNIPROT ID: P49238	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:250-1:1000 IF 1:50-1:500
Isotype: IgG1	Full Name: chemokine (C-X3-C motif) receptor 1	
Immunogen Catalog Number: AG27698	Calculated MW: 40 kDa	
	Observed MW: 44 kDa	

Applications

Tested Applications:
IF/ICC, IHC, WB, ELISA

Species Specificity:
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: HEK-293 cells, Jurkat cells, SH-SY5Y cells, U-937 cells

IHC: mouse kidney tissue,

IF: mouse kidney tissue,

Background Information

CX3CR1, also known as GPR13, V28, and fractalkine receptor, belongs to the 7-transmembrane G protein-coupled receptor (GPCR) family. It is expressed in microglia, astrocytes, NK cells, monocytes/macrophages, and a subpopulation of T cells. CX3CR1 is the receptor for fractalkine (CX3CL1) and mediates both its adhesive and migratory functions. It also acts as a coreceptor with CD4 for HIV-1 virus envelope protein (in vitro), and some variations in the gene of CX3CR1 lead to increased susceptibility to HIV-1 infection and rapid progression to AIDS. Defects in CX3CR1 are a cause of susceptibility to age-related macular degeneration type 12 (ARMD12).

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% 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:

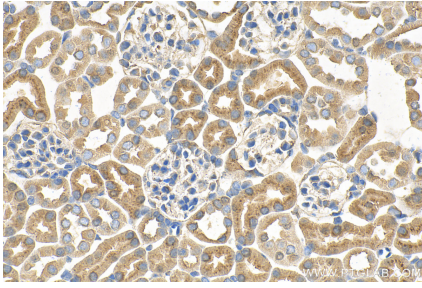
T: 4006900926

E: Proteintech-CN@ptglab.com

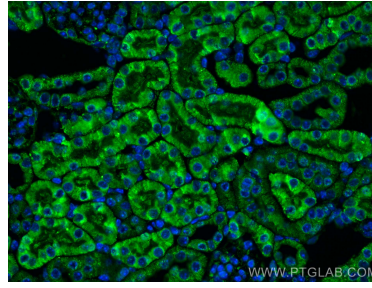
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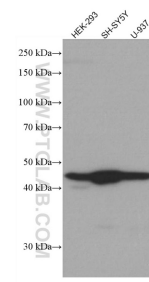
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 66915-1-Ig (CX3CR1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse kidney tissue using CX3CR1 antibody (66915-1-Ig, Clone: 3D3B8) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 66915-1-Ig (CX3CR1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.