

For Research Use Only

# CX3CL1 Polyclonal antibody

Catalog Number: 10108-2-AP

17 Publications



## Basic Information

### Catalog Number:

10108-2-AP

### Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0161

### GenBank Accession Number:

BC001163

### GeneID (NCBI):

6376

### UNIPROT ID:

P78423

### Full Name:

chemokine (C-X3-C motif) ligand 1

### Calculated MW:

42 kDa

### Observed MW:

90-100 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC

### 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: PC-3 cells, human brain tissue

IHC: human small intestine tissue, human lung tissue

## Background Information

Chemokines direct the trafficking of white blood cells in immune surveillance, playing a key role in inflammatory and infectious diseases such as AIDS. The human CX3C chemokine carries the chemokine domain on top of an extended mucin-like stalk. CX3CL1 is synthesized as a 50-75 kDa precursor and undergoes glycosylation to yield two mature forms: a 100 kDa cell membrane bound form and an 85 kDa soluble form which is released from the cell surface. The soluble CX3C chemokine has potent chemoattractant activity for T cells and monocytes, and the cell-surface-bound protein, which is induced by primary proinflammatory signals in activated primary endothelial cells, promotes strong adhesion of those leukocytes.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hai-Yan Fu	36497042	Cells	WB
Pingfu Hou	34131400	Int J Biol Sci	WB
Shuo Miao	32799418	Mol Oncol	WB

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

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)

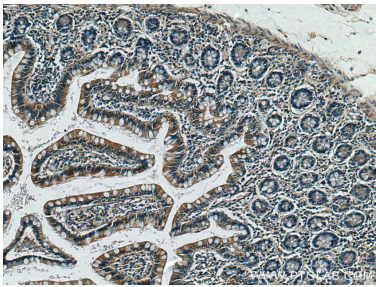
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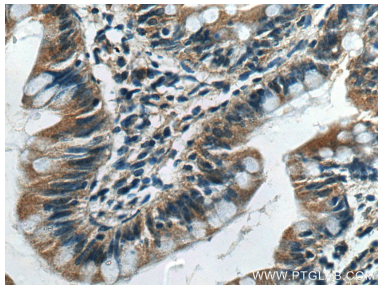
Selected Validation Data



PC-3 cells were subjected to SDS PAGE followed by western blot with 10108-2-AP (CX3CL1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 10108-2-AP (CX3CL1 antibody) at dilution of 1:400 (under 10x lens)..



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 10108-2-AP (CX3CL1 antibody) at dilution of 1:400 (under 40x lens)..