

For Research Use Only

Mouse CX3CL1 Recombinant antibody, PBS Only

Catalog Number: 83738-5-PBS



Basic Information

Catalog Number:

83738-5-PBS

Size:

100ug, Concentration: 1 mg/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_009142.3

GeneID (NCBI):

20312

UNIPROT ID:

O35188

Full Name:

chemokine (C-X3-C motif) ligand 1

Calculated MW:

42 kDa

Observed MW:

55-75 kDa

Purification Method:

Protein A purification

CloneNo.:

240738E2

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

mouse

Background Information

CX3CL1, also known as fractalkine, is a trans-membrane chemokine that acts as a ligand for both CX3CR1 and integrins $\alpha\beta3$ and $\alpha4\beta1$ (PMID: 9479488; 23125415). CX3CL1 is expressed by many hematopoietic and nonhematopoietic cells, including macrophages, endothelial cells, neurons, and fibroblasts. It is involved in immune responses and inflammation (PMID: 21045240). CX3CL1 exists in a membrane-anchored molecule and a soluble form, generated by proteolytic cleavage (PMID: 11495925; 12714508).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

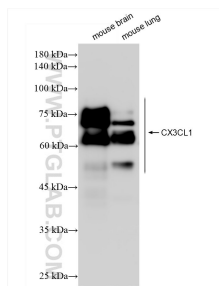
For technical support and original validation data for this product please contact:

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

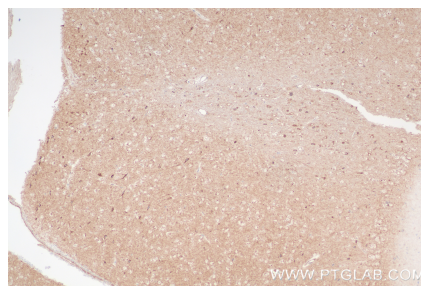
E: proteintech@ptglab.com
W: ptglab.com

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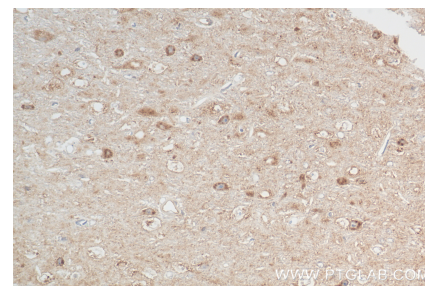
Selected Validation Data



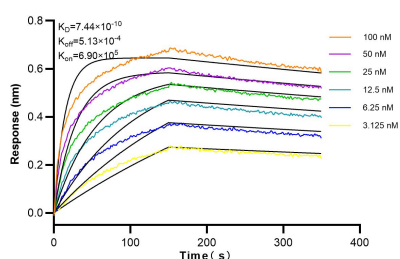
Various lysates were subjected to SDS PAGE followed by western blot with 83738-5-RR (CX3CL1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83738-5-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83738-5-RR (CX3CL1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83738-5-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83738-5-RR (CX3CL1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83738-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83738-5-RR against Mouse CX3CL1 were performed. The affinity constant is 0.744 nM.