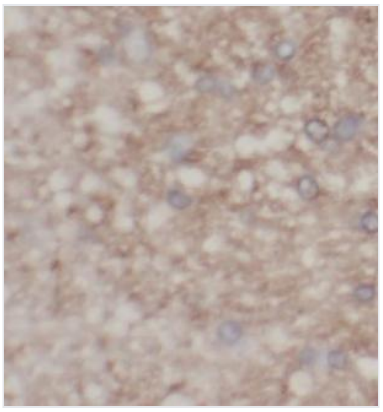
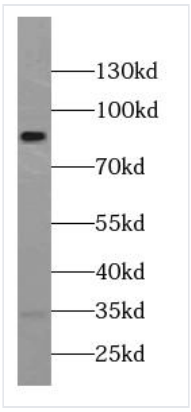
CX3CL1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CX3CL1, Monoclonal Antibody
Full Product Name	CX3CL1 Mouse Monoclonal
Product Gene Name	anti-CX3CL1 antibody
Product Synonym Names	FKN, NTT, SCYD1
Clonality	Monoclonal
Isotype	IgG1
Clone Number	5D1
Host	Mouse
Species Reactivity	Human; other species are not tested.
Form/Format	Liquid; PBS with 0.02% sodium azide and 50% glycerol pH 7.3
Purity/Purification	> 95% as determined by SDS-PAGE/Protein A+G purification
Specificity	Please decide the specificity by homology.
Preparation and Storage	Store at -20°C for 24 months. (Avoid repeated freeze / thaw cycles.)
Molecular Weight	90 kDa
3D Structure	ModBase 3D Structure for Q6I9S9
Immunogen	Chemokine (C-X3-C motif) ligand 1
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-CX3CL1 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-CX3CL1 antibody	Recommended dilution: WB: 1:500-1:2000; IHC: 1:50-1:500
Related Product Information for anti-CX3CL1 antibody	Acts as a ligand for both CX3CL1 and integrins. Binds to CX3CR1(PubMed:23125415, PubMed:9931005, PubMed:21829356). Binds to integrins ITGAV:ITGB3 and ITGA4:ITGB1. Can activate integrins in both a CX3CR1-dependent and CX3CR1-independent manner. In the presence of CX3CR1, activates integrins by binding to the classical ligand-binding site(site 1) in integrins. In the absence of CX3CR1, binds to a second site(site 2) in integrins which is distinct from site 1 and enhances the binding of other integrin ligands to site 1(PubMed:23125415, PubMed:24789099). The soluble form is chemotactic for T-cells and monocytes and not for neutrophils. The membrane-bound form promotes adhesion of those leukocytes to endothelial cells. May play a role in regulating leukocyte adhesion and migration processes at the endothelium(PubMed:9024663, PubMed:9177350).
Other Notes	Small volumes of anti-CX3CL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CX3CL1 purchase	MBS768321 is an antibody targeting CX3CL1. Also known as CX3CL1 Mouse Monoclonal. Reactive in Human; other species are not tested.. Host: Mouse.



Immunohistochemistry (IHC) of anti-CX3CL1 antibody
Immunohistochemistry of paraffin-embedded human brain tissue slide using MBS768321 (CX3CL1 Antibody) at dilution of 1:200



Western Blot (WB) of anti-CX3CL1 antibody
PC-3 cells were subjected to SDS PAGE followed by western blot with MBS768321 (CX3CL1 antibody) at dilution of 1:1000

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CX3CL1. It may not necessarily be applicable to this product.

NCBI GI #	48146969
NCBI GeneID	6376
NCBI Accession #	CAG33707.1
UniProt Primary Accession #	Q6I9S9
UniProt Related Accession #	P78423
NCBI Official Full Name	CX3CL1
NCBI Official Synonym Full Names	C-X3-C motif chemokine ligand 1
NCBI Official Symbol	CX3CL1
NCBI Official Synonym Symbols	NTN; NTT; CXC3; CXC3C; SCYD1; ABCD-3; C3Xkine; fractalkine; neurotactin
UniProt Protein Name	CX3CL1 protein
UniProt Synonym Protein Names	CX3CL1 protein
Protein Family	Fractalkine
UniProt Gene Name	CX3CL1
UniProt Entry Name	Q6I9S9_HUMAN
NCBI Protein Information	fractalkine
Research Articles on CX3CL1	**1.** Suggest that CX3CL1 participates in cross-talk mechanisms between endothelium and other muscle tissue cells and may promote a shift in the microenvironment toward a more regenerative milieu after exercise.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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Online datasheet: https://www.mybiosource.com/monoclonal-human-antibody/cx3cl1/768321