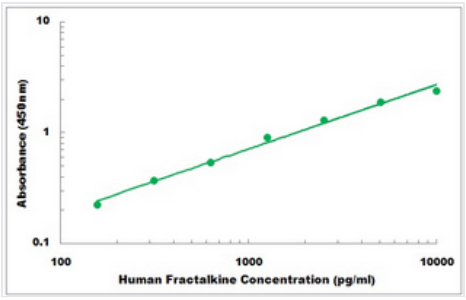
Fractalkine (CX3CL1) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Fractalkine (CX3CL1), ELISA Kit
Full Product Name	Human Fractalkine ELISA Kit
Product Gene Name	CX3CL1 elisa kit
Product Synonym Names	FKN; NTT; SCYD1; Fractalkine; C-X3-C motif chemokine 1; CX3C membrane-anchored chemokine; Neurotactin; Small-inducible cytokine D1
Species Reactivity	Human
Assay Type	Sandwich
Samples	Cell Culture Supernatants, Serum, Plasma, Saliva, Urine
Detection Range	156 pg/ml - 10000 pg/ml
Sensitivity	50 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	42,203 Da
OMIM	601880
3D Structure	ModBase 3D Structure for P78423
Detection Method	Colorimetric
Applications Tested/Suitable for CX3CL1 elisa kit	Sandwich ELISA (SE)
Related Product Information for CX3CL1 elisa kit	Sandwich ELISA for quantitative detection of Human Fractalkine concentrations.
Other Notes	Small volumes of CX3CL1 elisa kit 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	MBS824781 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Fractalkine (CX3CL1) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CX3CL1. The ELISA analytical biochemical technique of the MBS824781 kit is based on CX3CL1 antibody-CX3CL1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CX3CL1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CX3CL1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of CX3CL1 elisa kit

ADDITIONAL DETAILS

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

NCBI GI #	4506857
NCBI GeneID	6376
NCBI Accession #	NP_002987.1
UniProt Primary Accession #	P78423
UniProt Secondary Accession #	O00672
UniProt Related Accession #	P78423
GenBank Nucleotide #	NM_002996.3
NCBI Official Full Name	fractalkine
NCBI Official Synonym Full Names	chemokine (C-X3-C motif) ligand 1
NCBI Official Symbol	CX3CL1
NCBI Official Synonym Symbols	NTN; NTT; CXC3; CXC3C; SCYD1; ABCD-3; C3Xkine; fractalkine; neurotactin
UniProt Protein Name	Fractalkine
UniProt Synonym Protein Names	C-X3-C motif chemokine 1; CX3C membrane-anchored chemokine; Neurotactin; Small-inducible cytokine D1Cleaved into the following chain:Processed fractalkine
Protein Family	Fractalkine
UniProt Gene Name	CX3CL1
UniProt Synonym Gene Names	FKN; NTT; SCYD1
UniProt Entry Name	X3CL1_HUMAN
NCBI Protein Information	fractalkine; C-X3-C motif chemokine 1; small-inducible cytokine D1; CX3C membrane-anchored chemokine; small inducible cytokine subfamily D (Cys-X3-Cys), member-1; small inducible cytokine subfamily D (Cys-X3-Cys), member 1 (fractalkine, neurotactin)

UniProt Comments for CX3CL1	CX3CL1: The soluble form is chemotactic for T-cells and monocytes, but 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. Binds to CX3CR1. Belongs to the intercrine delta family. Protein type: Membrane protein, integral; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 16q13 Cellular Component: extracellular space; cell surface; integral to membrane; extracellular region; plasma membrane Molecular Function: protein binding; chemokine activity; receptor binding Biological Process: neutrophil chemotaxis; positive regulation of transforming growth factor-beta1 production; cytokine and chemokine mediated signaling pathway; leukocyte chemotaxis; defense response; angiogenesis involved in wound healing; chemotaxis; leukocyte adhesive activation; macrophage chemotaxis; positive regulation of angiogenesis; positive regulation of calcium-independent cell-cell adhesion; immune response; cell adhesion; lymphocyte chemotaxis; positive regulation of inflammatory response
Research Articles on CX3CL1	**1.** A significant and persistent decrease in circulating fractalkine was observed after orthopedic and coronary bypass surgery despite a marked inflammatory response.
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