

Mouse Fractalkine/CX3CL1 ELISA Kit | CX3CL1 elisa kit

Mouse Fractalkine/CX3CL1 PicoKine ELISA Kit

CATALOG #
AAA45240

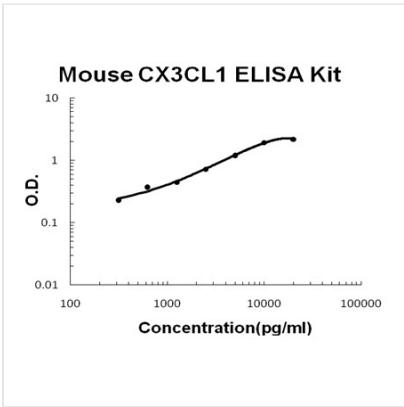
REACTIVITY
Mouse

PRODUCT SYNONYMS

Fractalkine/CX3CL1; Mouse Fractalkine/CX3CL1 PicoKine ELISA Kit; Fractalkine; chemokine (C-X3-C motif) ligand 1; A 152E5.2; AB030188; ABCD 3; ABCD3; C X3 C motif chemokine 1; C3Xkine; Chemokine (C X3 C motif) ligand 1; Chemokine C X3 C motif ligand 1; Chemokine CX3C Motif Ligand 1; CX3C membrane anchored chemokine; CXC3; CXC3C; FKN; Neurotactin; NTN; NTT; SCYD 1; SCYD1; CX3XL1; Small inducible cytokine D1; Small inducible cytokine subfamily D (Cys X3 Cys); member 1; Small inducible cytokine subfamily D (Cys-X3-Cys); member 1 (fractalkine; neurotactin); Small inducible cytokine subfamily D member 1; CX3CL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse Fractalkine
Sequence Length	397
Samples	Cell culture supernates, serum, plasma (heparin, EDTA) and tissue homogenates
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Chemokine (C-X3-C motif) ligand 1 (CX3CL1) is a large cytokine protein of 373 amino acids, it contains multiple domains and is the only known member of the CX3C chemokine family. It is also commonly known under the names fractalkine (in humans) and neurotactin (in mice). ^{1, 2} CX3CL1 is produced as a long protein (with 373-amino acid inhumans) with an extended mucin-like stalk and a chemokine domain on top. The mucin-like stalk permits it to bind to the surface of certain cells. However a soluble (90 kD) version of this chemokine has also been observed. Soluble CX3CL1 potently chemoattracts T cells and monocytes, while the cell-bound chemokine promotes strong adhesion of leukocytes to activated endothelial cells, where it is primarily expressed. ² CX3CL1 elicits its adhesiveand migratory functions by interacting with the chemokine receptor CX3CR1. ³ Its gene is located on humanchromosome 16 along with some CC chemokines known as CCL17 and CCL22. ^{2, 4} It can act as a mediator ofsmooth muscle cell migration in human atherosclerosis, rather than mediate inflammatory cell recruitment. ⁵
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)



Standard Curve (Sample)
Mouse Fractalkine/CX3CL1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CX3CL1 elisa kit	Principle of the assay: mouse Fractalkine ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for Fractalkine has been precoated onto 96-well plates. Standards(sf21, Q25-R337) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Fractalkine is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse Fractalkine amount of sample captured in plate.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	6376
UniProt Accession #	A0N0N7; P78423
Molecular Weight	42,203 Da
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
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 Protein Name	Chemokine (C-X3-C motif) ligand 1
UniProt Gene Name	CX3CL1
UniProt Entry Name	A0N0N7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.