

Datasheet for ABIN6719825

CX3CL1 ELISA Kit

1 Image



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Overview

| | |
|--------------------------|-------------------------|
| Quantity: | 1 kit |
| Target: | CX3CL1 |
| Reactivity: | Mouse |
| Method Type: | Sandwich ELISA |
| Detection Range: | 156 pg/mL - 10000 pg/mL |
| Minimum Detection Limit: | 156 pg/mL |
| Application: | ELISA |

Product Details

| | |
|--------------------|---|
| Purpose: | Sandwich ELISA for Quantitative Detection of Antigen |
| Sample Type: | Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Tissue Lysates |
| Analytical Method: | Quantitative |
| Detection Method: | Colorimetric |
| Characteristics: | <p>Synonyms: 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, Fractalkine, Neurotactin, NTN, NTT, SCYD 1, SCYD1, 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</p> <p>Background: 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</p> |

Product Details

chemokine family. It is also commonly known under the names fractalkine(in humans) and neurotactin(in mice). CX3CL1 is produced as a long protein(with 373-amino acid in humans) 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. CX3CL1 elicits its adhesive and migratory functions by interacting with the chemokine receptor CX3CR1. Its gene is located on human chromosome 16 along with some CC chemokines known as CCL17 and CCL22. It can act as a mediator of smooth muscle cell migration in human atherosclerosis, rather than mediate inflammatory cell recruitment.

Gene Name: CX3CL1

Production: Natural and recombinant mouse Fractalkine. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: sf21, Immunogen sequence: Q25-R337

Target Details

Target: CX3CL1

Alternative Name: Fractalkine - CX3CL1 ([CX3CL1 Products](#))

Gene ID: 6376

NCBI Accession: [NP_002987](#)

UniProt: [A0N0N7](#)

Pathways: [Synaptic Membrane](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL mouse Fractalkine standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernatants, serum, plasma(heparin, EDTA) or tissue lysates to each empty well. It is recommended that each mouse Fractalkine standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

Application Details

ELISA Dilution: 156pg/mL-10000pg/mL

Sample Volume: 100 μ L

Plate: Pre-coated

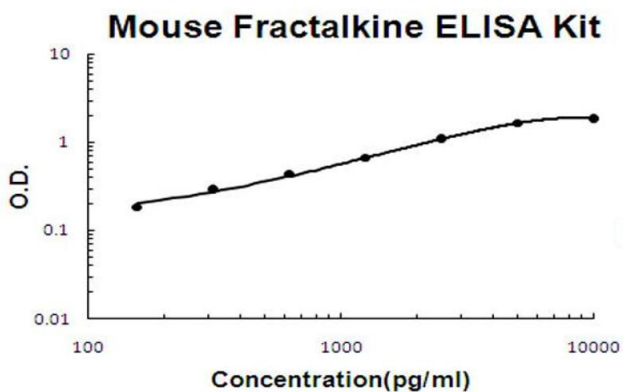
Restrictions: For Research Use only

Handling

Storage: RT,4 °C,-20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Mouse Fractalkine/CX3CL1 Accusignal ELISA Kit
Mouse Fractalkine/CX3CL1 AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml.
Sensitivity: <10pg/ml.