

# CX3CL1 (Human) ELISA Kit

Catalog # KA0545

Size 1 Kit

## Specification

|                            |                                                                                                             |
|----------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | CX3CL1 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human CX3CL1. |
| <b>Suitable Sample</b>     | Cell Culture Supernatant, Human Milk, Plasma (EDTA, Heparin), Saliva, Serum and Urine                       |
| <b>Sample Volume</b>       | 100 uL                                                                                                      |
| <b>Label</b>               | HRP-conjugated                                                                                              |
| <b>Detection Method</b>    | Colorimetric                                                                                                |
| <b>Assay Type</b>          | Quantitative                                                                                                |
| <b>Calibration Range</b>   | 156 to 10000 pg/mL                                                                                          |
| <b>Reactivity</b>          | Human                                                                                                       |
| <b>Regulation Status</b>   | For research use only (RUO)                                                                                 |
| <b>Storage Instruction</b> | Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.                       |

## Applications

- Quantification

## Gene Info — CX3CL1

|                      |                                                                         |
|----------------------|-------------------------------------------------------------------------|
| <b>Entrez GeneID</b> | <a href="#">6376</a>                                                    |
| <b>Gene Name</b>     | CX3CL1                                                                  |
| <b>Gene Alias</b>    | ABCD-3, C3Xkine, CXC3, CXC3C, NTN, NTT, SCYD1, fractalkine, neurotactin |

|                    |                                                                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Description   | chemokine (C-X3-C motif) ligand 1                                                                                                                  |
| Omim ID            | <a href="#">601880</a>                                                                                                                             |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                          |
| Gene Summary       | member 1 (fractalkine                                                                                                                              |
| Other Designations | small inducible cytokine subfamily D (Cys-X3-Cys), member 1 (fractalkine, neurotactin) small inducible cytokine subfamily D (Cys-X3-Cys), member-1 |

## Publication Reference

- [A miR-125b/CSF1-CX3CL1/tumor-associated macrophage recruitment axis controls testicular germ cell tumor growth.](#)  
 Batool A, Wang YQ, Hao XX, Chen SR, Liu YX.  
 Cell Death & Disease 2018 Sep; 9(10):962.  
 Application: Quant, Human, Human macrophges
- [Smooth muscle cells in human atherosclerotic plaques express the fractalkine receptor CX3CR1 and undergo chemotaxis to the CX3C chemokine fractalkine \(CX3CL1\).](#)  
 Lucas AD, Bursill C, Guzik TJ, Sadowski J, Channon KM, Greaves DR.  
 Circulation 2003 Nov; 108(20):2498.
- [Human chemokines fractalkine \(SCYD1\), MDC \(SCYA22\) and TARC \(SCYA17\) are clustered on chromosome 16q13.](#)  
 Nomiya H, Imai T, Kusuda J, Miura R, Callen DF, Yoshie O.  
 Cytogenetics and Cell Genetics 1998 Jan; 81(1):10.
- [Neurotactin, a membrane-anchored chemokine upregulated in brain inflammation.](#)  
 Pan Y, Lloyd C, Zhou H, Dolich S, Deeds J, Gonzalo JA, Vath J, Gosselin M, Ma J, Dussault B, Woolf E, Alperin G, Culpepper J, Gutierrez-Ramos JC, Gearing D.  
 Nature 1997 Jun; 387(6633):611.

## Pathway

- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)

## Disease

- [Alzheimer disease](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Hypersensitivity](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Psoriasis](#)
- [Stroke](#)