

Human Fractalkine / CX3CL1 ELISA Kit | CX3CL1 elisa kit

Fractalkine / CX3CL1 Human ELISA Kit

CATALOG # AAA58874	REACTIVITY Human	APPLICATIONS ELISA
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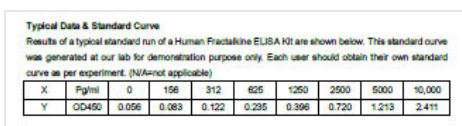
PRODUCT SYNONYMS

Fractalkine / CX3CL1; Fractalkine / CX3CL1 Human ELISA Kit; Human Fractalkine / CX3CL1; CX3CL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Detection Range	156 pg/ml-10,000 pg/ml
Sensitivity	< 50pg/ml
Applicable Applications for CX3CL1 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CX3CL1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-fractalkine polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-fractalkine polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 fractalkine amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of fractalkine can be calculated.

Background: Chemokine (C-X3-C motif) ligand 1 (CX3CL1), also known as fractalkine (in humans) and neurotactin (in mice), is a large cytokine protein of 373 amino acids, it contains multiple domains and is the only known member of the CX3C chemokine family. Its gene is located on human chromosome 16 along with some CC chemokines known as CCL17 and CCL22. 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. CX3CL1 elicits its adhesive and migratory functions by interacting with the chemokine receptor CX3CR1.

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.

