

Rat Chemokine C-X3-C-Motif Ligand 1 (CX3CL1) ELISA Kit | CX3CL1 elisa kit

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CATALOG #
AAA64090

REACTIVITY
Rat

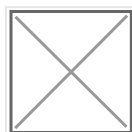
PRODUCT SYNONYMS

Chemokine C-X3-C-Motif Ligand 1 (CX3CL1); Rat Chemokine C-X3-C-Motif Ligand 1 (CX3CL1) ELISA Kit; NTN; ABCD3; C3Xkine; CXC3; CXC3C; NTT; SCYD1; FKN; Neurotactin; Fractalkine; Small Inducible Cytokine Subfamily D(Cys-X3-Cys)Member 1; CX3CL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CX3CL1. No significant cross-reactivity or interference between CX3CL1 and analogues was observed.
Sequence Length	393
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CX3CL1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CX3CL1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CX3CL1 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CX3CL1 in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CX3CL1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CX3CL1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CX3CL1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CX3CL1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	672084211
NCBI GeneID	89808
NCBI Accession #	XP_008770551.1
NCBI GenBank Nucleotide #	XP_008770551.1
UniProt Accession #	Q6IRF7; O55145
Molecular Weight	42,095 Da
NCBI Official Full Name	fractalkine isoform X1
NCBI Official Synonym Full Names	C-X3-C motif chemokine ligand 1
NCBI Official Symbol	Cx3cl1
NCBI Official Synonym Symbols	Cx3c; Scyd1
NCBI Protein Information	fractalkine
UniProt Protein Name	Chemokine (C-X3-C motif) ligand 1
UniProt Gene Name	Cx3cl1

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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/chemokine-c-x3-c-motif-ligand-1-cx3cl1/64090>