

Canine CX3C-chemokine/Fractalkine ELISA Kit | FKN elisa kit

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CATALOG #
AAA88792

REACTIVITY
Canine

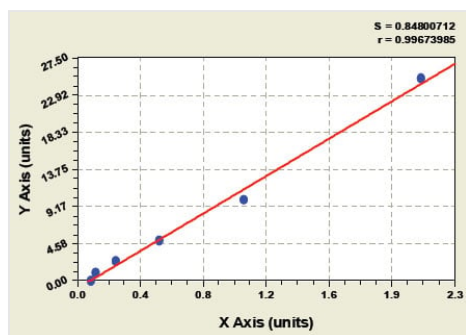
PRODUCT SYNONYMS

CX3C-chemokine/Fractalkine; Canine CX3C-chemokine/Fractalkine ELISA Kit; FKN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Sensitivity	0.1 ng/mL.
Intended Uses	This FKN/CX3CL1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine FKN/CX3CL1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



ADDITIONAL INFORMATION

Related Product Information for FKN elisa kit

Principle of the assay: FKN/CX3CL1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for FKN/CX3CL1. Standards or samples are then added to the microtiter plate wells and FKN/CX3CL1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of FKN/CX3CL1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for FKN/CX3CL1 are added to each well to "sandwich" the FKN/CX3CL1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain FKN/CX3CL1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FKN/CX3CL1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506857
NCBI GeneID	6376
NCBI Accession #	NP_002987
NCBI GenBank Nucleotide #	NM_002996.3
UniProt Accession #	P78423; O00672
Molecular Weight	42,203 Da
NCBI Official Full Name	fractalkine
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	Fractalkine
UniProt Gene Name	CX3CL1
UniProt Synonym Gene Names	FKN; NTT; SCYD1
UniProt Entry Name	X3CL1_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.