

Canine Stromal Cell Derived Factor 2 ELISA Kit | SDF2 elisa kit

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CATALOG #
AAA91387

REACTIVITY
Canine

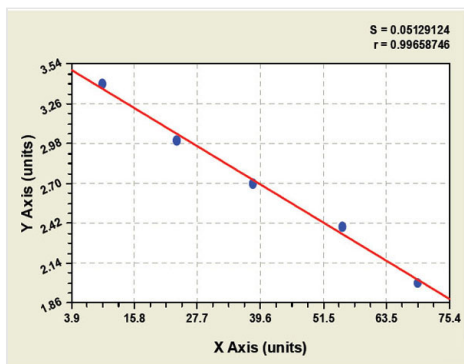
PRODUCT SYNONYMS

Stromal Cell Derived Factor 2; Canine Stromal Cell Derived Factor 2 ELISA Kit; SDF2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SDF2 elisa kit

Intended Uses: This SDF2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine SDF2. This ELISA kit for research use only!

Principle of the Assay: SDF2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SDF2 antibody and an SDF2-HRP conjugate. The assay sample and buffer are incubated together with SDF2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SDF2 concentration since SDF2 from samples and SDF2-HRP conjugate compete for the anti-SDF2 antibody binding site. Since the number of sites is limited, as more sites are occupied by SDF2 from the sample, fewer sites are left to bind SDF2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SDF2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14141195
NCBI GeneID	6388
NCBI Accession #	NP_008854.2
NCBI GenBank Nucleotide #	NM_006923.3
Molecular Weight	23,026 Da
NCBI Official Full Name	stromal cell-derived factor 2
NCBI Official Synonym Full Names	stromal cell-derived factor 2
NCBI Official Symbol	SDF2
NCBI Protein Information	stromal cell-derived factor 2; SDF-2
UniProt Protein Name	Stromal cell-derived factor 2
UniProt Gene Name	SDF2
UniProt Synonym Gene Names	SDF-2
UniProt Entry Name	SDF2_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.