

Canine Syndecan 4 ELISA Kit | SDC4 elisa kit

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CATALOG #
AAA88901

REACTIVITY
Canine

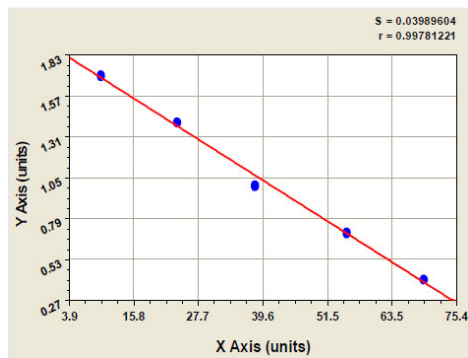
PRODUCT SYNONYMS

Syndecan 4; Canine Syndecan 4 ELISA Kit; SDC4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This SDC4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine SDC4. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SDC4 elisa kit

Principle of the assay: SDC4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SDC4 antibody and an SDC4-HRP conjugate. The assay sample and buffer are incubated together with SDC4-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 SDC4 concentration since SDC4 from samples and SDC4-HRP conjugate compete for the anti-SDC4 antibody binding site. Since the number of sites is limited, as more sites are occupied by SDC4 from the sample, fewer sites are left to bind SDC4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SDC4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38201675
NCBI GeneID	6385
NCBI Accession #	NP_002990.2
NCBI GenBank Nucleotide #	NM_002999.3
Molecular Weight	16,545 Da
NCBI Official Full Name	syndecan-4
NCBI Official Synonym Full Names	syndecan 4
NCBI Official Symbol	SDC4
NCBI Official Synonym Symbols	SYND4
NCBI Protein Information	syndecan-4; amphiglycan; ryudocan amphiglycan; ryudocan core protein; syndecan proteoglycan 4; syndecan 4 (amphiglycan, ryudocan)
UniProt Protein Name	Syndecan-4
UniProt Gene Name	SDC4
UniProt Synonym Gene Names	SYND4
UniProt Entry Name	SDC4_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.