

Canine Stem Cell Factor Receptor ELISA Kit | SCFR elisa kit

Canine Stem Cell Factor Receptor ELISA Kit

CATALOG #
AAA89649

REACTIVITY
Canine

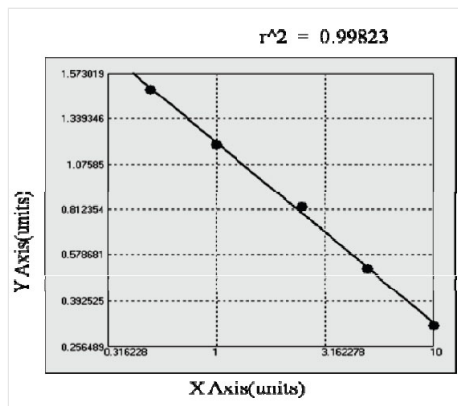
PRODUCT SYNONYMS

Stem Cell Factor Receptor; Canine Stem Cell Factor Receptor ELISA Kit; SCFR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This SCFR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine SCFR. 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 SCFR elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	6651040
Molecular Weight	106,324 Da
NCBI Official Full Name	stem cell factor receptor, partial
UniProt Protein Name	Stem cell factor receptor
UniProt Gene Name	c-kit
UniProt Entry Name	Q9TTD7_TRIVU

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/scfr-canine-elisa-kits/stem-cell-factor-receptor/89649>