

Canine Stem Cell Factor ELISA Kit | SCF elisa kit

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CATALOG #
AAA93503

REACTIVITY
Canine

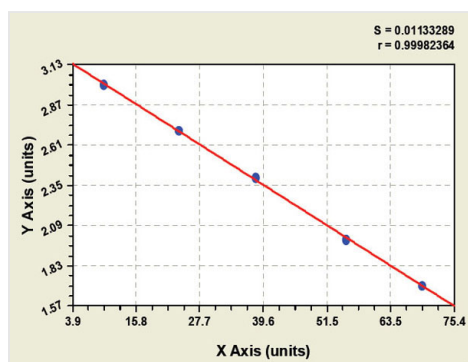
PRODUCT SYNONYMS

Stem Cell Factor; Canine Stem Cell Factor ELISA Kit; SCF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	1.0-25ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SCF elisa kit

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

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

Product Categories/Family for SCF elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	1246100
Molecular Weight	4,270 Da
NCBI Official Full Name	stem cell factor, partial
UniProt Protein Name	Stem cell factor
UniProt Gene Name	stem cell factor: SCF
UniProt Entry Name	Q13528_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.

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Online datasheet: <https://stage.aaabiotech.com/scf-canine-elisa-kits/stem-cell-factor/93503>