

Rat Stem Cell Factor ELISA Kit | SCF elisa kit

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CATALOG #
AAA86332

REACTIVITY
Rat

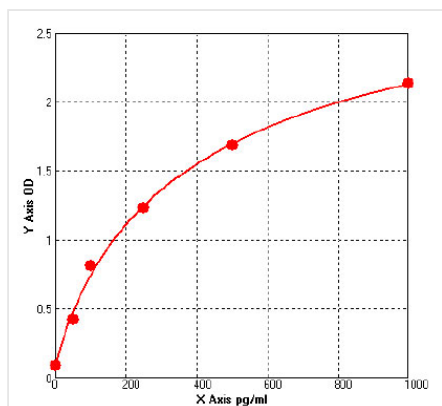
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of SCF. No significant cross-reactivity or interference between SCF and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SCF and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive or Sandwich
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 SCF elisa kit	Intended Uses: This SCF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SCF. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: SCF ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for SCF. Standards or samples are then added to the microtiter plate wells and SCF if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of SCF present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for SCF are added to each well to "sandwich" the SCF 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 SCF 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 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-rat-elisa-kits/stem-cell-factor/86332>