

Human Stem Cell Factor (SCF) ELISA Kit | SCF elisa kit

Human Stem Cell Factor (SCF) Mini Samples ELISA Kit

CATALOG # AAA188667	REACTIVITY Human	APPLICATIONS ELISA
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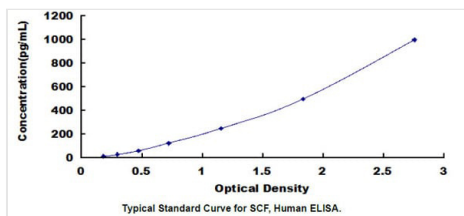
PRODUCT SYNONYMS

Stem Cell Factor (SCF); Human Stem Cell Factor (SCF) Mini Samples ELISA Kit; Stem Cell Factor; KITLG; MGF; SF; KL1; Kitl; FPH2; Kit-Ligand; Steel Factor; Mast Cell Growth Factor; Steel factor; Familial Progressive Hyperpigmentation 2; SCF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Sequence Length	273
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	15.6-1,000pg/mL
Sensitivity	< 6.1pg/mL
Applicable Applications for SCF elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SCF were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SCF were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SCF elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SCF in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SCF. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to SCF. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain SCF, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of SCF in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505175
NCBI GeneID	4254
NCBI Accession #	NP_000890.1
NCBI GenBank Nucleotide #	NP_000890.1
UniProt Accession #	P21583
NCBI Official Full Name	kit ligand isoform b
NCBI Official Synonym Full Names	KIT ligand
NCBI Official Symbol	KITLG
NCBI Official Synonym Symbols	SF; MGF; SCF; SLF; DCUA; FPH2; FPHH; KL-1; Kitl; SHEP7; DFNA69
NCBI Protein Information	kit ligand
UniProt Protein Name	Kit ligand
UniProt Gene Name	KITLG
UniProt Synonym Gene Names	MGF; SCF; MGF; SCF; sKITLG
UniProt Entry Name	SCF_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/human-elisa-kits/stem-cell-factor-scf/188667>