

Human Stem Cell Factor (SCF) CLIA Kit | SCF clia kit

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CATALOG #
AAA130317

REACTIVITY
Human

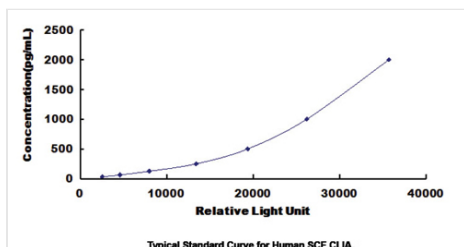
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Stem Cell Factor (SCF). No significant cross-reactivity or interference between Stem Cell Factor (SCF) and analogues was observed.
Sequence Length	37
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell culture supernates and other biological fluids
Detection Range	2.74-2,000pg/mL
Sensitivity	1.22pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Stem Cell Factor (SCF) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Stem Cell Factor (SCF) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Stem Cell Factor (SCF). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Stem Cell Factor (SCF). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Stem Cell Factor (SCF) level in the sample or standard.;
Product Categories/Family for SCF clia kit	Cytokine; Hematology

NCBI AND UNIPROT INFORMATION

NCBI GI #	1246100
NCBI GeneID	4254
Molecular Weight	4,270 Da
NCBI Official Full Name	stem cell factor, partial
NCBI Official Synonym Full Names	KIT ligand
NCBI Official Symbol	KITLG
NCBI Official Synonym Symbols	SF; MGF; SCF; FPH2; FPHH; KL-1; Kitl; SHEP7
NCBI Protein Information	kit ligand
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.