

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

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CATALOG #
AAA66170

REACTIVITY
Porcine

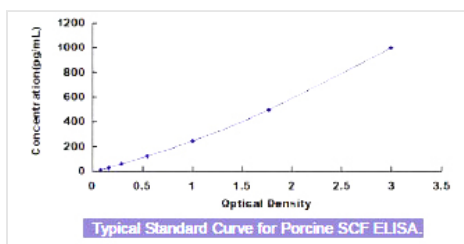
PRODUCT SYNONYMS

Stem Cell Factor (SCF); Porcine Stem Cell Factor (SCF) ELISA Kit; 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	Porcine
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	274
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	4.2pg/mL
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	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SCF elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SCF in porcine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SCF. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation 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 #	84000567
NCBI GeneID	397509
NCBI Accession #	NP_999434.2
NCBI GenBank Nucleotide #	NM_214269.2
UniProt Accession #	Q29030; Q2WG86
Molecular Weight	31,119 Da
NCBI Official Full Name	kit ligand
NCBI Official Symbol	KITLG
NCBI Official Synonym Symbols	KITL
NCBI Protein Information	kit ligand
UniProt Protein Name	Kit ligand
UniProt Gene Name	KITLG
UniProt Synonym Gene Names	MGF; MGF; SCF; sKITLG

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.