

Mouse SCF ELISA Kit | KITLG elisa kit

Mouse SCF PicoKine ELISA Kit

CATALOG #
AAA45901

REACTIVITY
Mouse

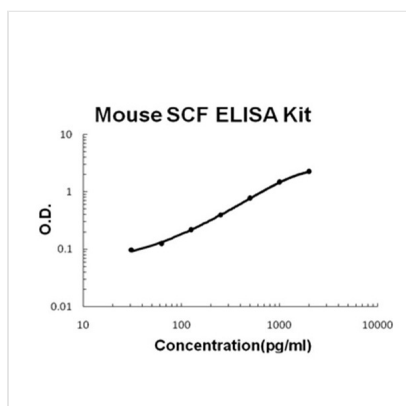
PRODUCT SYNONYMS

SCF; Mouse SCF PicoKine ELISA Kit; Kit ligand; KIT ligand; C kit ligand; Ckit ligand; Kitl; KITLG; KL 1; KL1; Mast cell growth factor; MGF; SF; SHEP7; Steel factor; Stem cell factor; Stem cell factor precursor; KITLG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse SCF
Sequence Length	273
Samples	Cell culture supernates, serum and plasma (EDTA)
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay)Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays)Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse SCF PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for KITLG elisa kit	Principle of the assay: mouse SCF ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for SCF has been precoated onto 96-well plates. Standards(E.coli, K26-A190) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for SCF is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse SCF amount of sample captured in plate. Background: Stem Cell Factor (also known as SCF, kit-ligand, KL, or steel factor) is a cytokine that binds to the c-Kit receptor (CD117). It is mapped to 12q21.32. SCF was primarily expressed by perivascular cells throughout the bone marrow, and it plays a role in the regulation of HSCs in the stem cell niche in the bone marrow. SCF can exist both as a transmembrane protein and a soluble protein. This gene plays an important role in the hematopoiesis during embryonic development. During development, the presence of the SCF also plays an important role in the localization of melanocytes, cells that produce melanin and control pigmentation. In addition to it, SCF can promote mast cell adhesion, migration, proliferation, and survival. It also promotes the release of histamine and tryptase, which are involved in the allergic response.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	134290
NCBI GeneID	17311
UniProt Accession #	P20826; P97332; Q3TNJ7; Q62524; Q64222; Q921N5
Molecular Weight	27,614 Da
NCBI Official Full Name	Kit ligand
NCBI Official Synonym Full Names	kit ligand
NCBI Official Symbol	Kitl
NCBI Official Synonym Symbols	Gb; SF; Sl; Clo; Con; Mgf; SCF; SLF; blz; Kitlg; contrasted
NCBI Protein Information	kit ligand; cloud gray; C-kit ligand; Steel factor; grizzle-belly; stem cell factor; mast cell growth factor; hematopoietic growth factor KL
UniProt Protein Name	Kit ligand
UniProt Gene Name	Kitlg
UniProt Synonym Gene Names	Kitl; Mgf; Sl; Slf; MGF; SCF; sKITLG
UniProt Entry Name	SCF_MOUSE

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.