

Mouse KIT ligand ELISA Kit | KITLG elisa kit

Mouse Stem cell factor/mast cell growth factor, SCF/MGF ELISA Kit

CATALOG #
AAA80196

REACTIVITY
Mouse

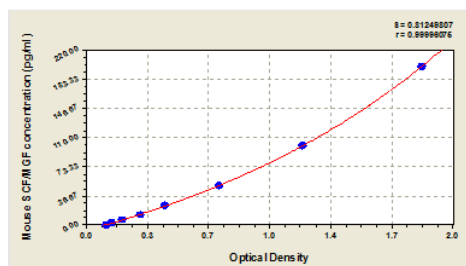
PRODUCT SYNONYMS

KIT ligand; Mouse Stem cell factor/mast cell growth factor; SCF/MGF ELISA Kit; SCF/MGF ELISA kit; DKFZp686F2250; FPH2; KL-1; Kitl; MGF; SCF; SF; SHEP7; familial progressive hyperpigmentation 2; mast cell growth factor; steel factor; stem cell factor; KITLG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse SCF/MGF. No significant cross-reactivity or interference between mouse SCF/MGF and analogues was observed.
Sequence Length	273
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	3.12 pg/ml -200 pg/ml.
Sensitivity	The minimum detectable dose of mouse SCF/MGF is typically less than 0.78 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KITLG elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for SCF/MGF has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SCF/MGF present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SCF/MGF is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SCF/MGF bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7305267
NCBI GeneID	17311
NCBI Accession #	NP_038626.1
NCBI GenBank Nucleotide #	NM_013598.2
UniProt Accession #	P20826; P97332; Q3TNJ7; Q62524; Q64222; Q921N5
Molecular Weight	30,645 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.

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Online datasheet: <https://stage.aaabiotech.com/kitlg-mouse-elisa-kits/kit-ligand/80196>