

Human Kit ligand ELISA Kit | KITLG elisa kit

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CATALOG #
AAA100908

REACTIVITY
Human

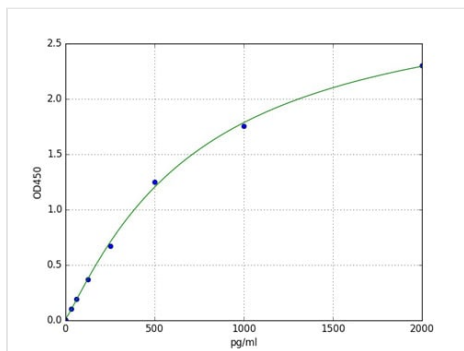
PRODUCT SYNONYMS

Kit ligand; Human Kit ligand ELISA Kit; SCF (Stem Cell Factor)/KITLG/Kit ligand/c-Kit ligand/MGF/Mast cell growth factor; KITLG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	41
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a SCF ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	31.2	62.5	125	250	500	1000	2000
Y	OD450	0.039	0.117	0.195	0.371	0.739	1.193	1.955	2.463

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KITLG elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti- SCF antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- SCF antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 SCF amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of SCF can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

257169

NCBI GeneID	4254
Molecular Weight	26,667 Da
NCBI Official Full Name	kit-ligand, partial
NCBI Official Synonym Full Names	KIT ligand
NCBI Official Symbol	KITLG
NCBI Official Synonym Symbols	SF; MGF; SCF; DCUA; FPH2; FPHH; KL-1; Kitl; SHEP7
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/kitlg-human-elisa-kits/kit-ligand/100908>