

Human Stem Cell Factor Receptor (SCFR) CLIA Kit | SCFR clia kit

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CATALOG #
AAA141107

REACTIVITY
Human

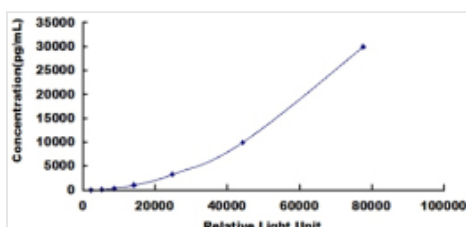
PRODUCT SYNONYMS

Stem Cell Factor Receptor (SCFR); Human Stem Cell Factor Receptor (SCFR) CLIA Kit; CD117; KIT; C-Kit; PBT; p145 c-Kit; C-Kit Receptor; Tyrosine-Protein Kinase; V-Kit Hardy-Zuckerman 4 Feline Sarcoma Viral Oncogene Homolog; Piebald Trait; SCFR clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Stem Cell Factor Receptor (SCFR). No significant cross-reactivity or interference between Stem Cell Factor Receptor (SCFR) and analogues was observed.
Sequence Length	948
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	41.2-30,000pg/mL
Sensitivity	15.3pg/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 Receptor (SCFR) 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 Receptor (SCFR) 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 SCFR clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Stem Cell Factor Receptor (SCFR). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Stem Cell Factor Receptor (SCFR). 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 Receptor (SCFR) level in the sample or standard.;
Product Categories/Family for SCFR clia kit	Signal transduction; Tumor immunity; Hematology

NCBI AND UNIPROT INFORMATION

NCBI GI #	6651040
Molecular Weight	106,324 Da
NCBI Official Full Name	stem cell factor receptor, partial
UniProt Protein Name	Receptor protein-tyrosine kinase
UniProt Gene Name	c-kit
UniProt Entry Name	Q9TTD7_TRIVU

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/human-clia-kits/stem-cell-factor-receptor-scfr/141107>