

Rat Stromal Cell Derived Factor 1alpha ELISA Kit | SDF-1alpha elisa kit

Rat Stromal Cell Derived Factor 1alpha ELISA Kit

CATALOG #
AAA101304

REACTIVITY
Rat

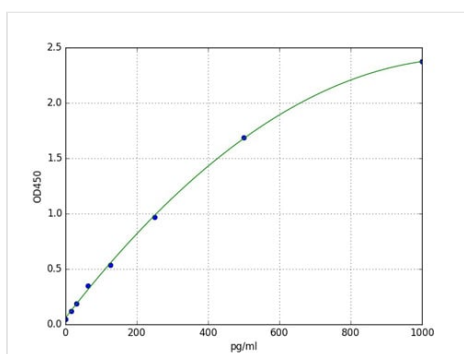
PRODUCT SYNONYMS

Stromal Cell Derived Factor 1alpha; Rat Stromal Cell Derived Factor 1alpha ELISA Kit; SDF-1alpha/CXCL12 chemokine (C-X-C motif) ligand 12/IRH/PBSF/SCYB12/SDF1/SDF-1/SDF1A/SDF1B/TLSF/TPAR1; Stromal Cell Derived Factor 1a; SDF-1alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat SDF-1alpha. No significant cross-reactivity or interference between Rat SDF-1alpha and analogues was observed.
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Rat SDF-1alpha were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Rat SDF-1alpha were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<10%
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)

Results of a typical standard run of a Rat SDF-1α 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	15.6	31.2	62.5	125	250	500	1000
Y	OD450	0.061	0.125	0.213	0.42	0.644	1.045	1.646	2.643

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SDF-1alpha elisa kit	Principle of the Assay This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat SDF-1alpha antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat SDF-1alpha 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 Rat SDF-1alpha amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat SDF-1alpha can be calculated.
--	---

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/sdf-1alpha-rat-elisa-kits/stromal-cell-derived-factor-1alpha/101304>