

Rat SDF-1alpha (Stromal Cell Derived Factor 1alpha) CLIA Kit | SDF-1a clia kit

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CATALOG #
AAA171215

REACTIVITY
Rat

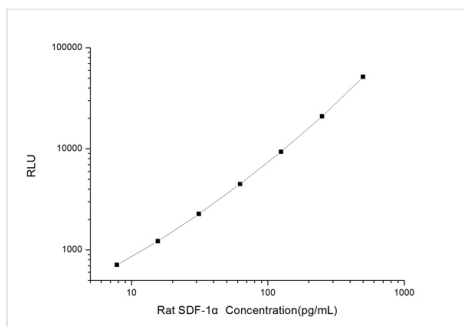
PRODUCT SYNONYMS

SDF-1alpha (Stromal Cell Derived Factor 1alpha); Rat SDF-1alpha (Stromal Cell Derived Factor 1alpha) CLIA Kit; Rat SDF-1a (Stromal Cell Derived Factor 1a) CLIA Kit; Rat SDF-1a; SDF-1a clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes natural and recombinant SDF-1alpha. No significant cross-reactivity or interference between SDF-1alpha and analogues was observed.
Sequence Length	103
Assay Type	Sandwich
Detection Range	7.813-500pg/mL
Sensitivity	Min: 4.688pg/mL; Max: 500pg/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SDF-1a clia kit

Intended Uses: This CLIA kit applies to the in vitro quantitative determination of SDF-1alpha concentrations in serum, plasma and other biological fluids.

Principle of the Assay: This kit uses Sandwich-CLIA as the method. The micro CLIA plate provided in this kit has been pre-coated with an antibody specific to SDF-1alpha. Standards or samples are added to the appropriate micro CLIA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for SDF-1alpha and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain SDF-1alpha, biotinylated detection antibody and Avidin-HRP conjugate will appear fluorescence. The Relative light unit (RLU) value is measured spectrophotometrically by the Chemiluminescence immunoassay analyzer. The RLU value is positively associated with the concentration of SDF-1alpha. You can calculate the concentration of SDF-1alpha in the samples by comparing the RLU value of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	489406390
NCBI GeneID	6387
NCBI Accession #	NP_001264919.1
NCBI GenBank Nucleotide #	NM_001277990.1
Molecular Weight	11,004 Da
NCBI Official Full Name	stromal cell-derived factor 1 isoform 5
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 12
NCBI Official Symbol	CXCL12
NCBI Official Synonym Symbols	IRH; PBSF; SDF1; TLSF; TPAR1; SCYB12
NCBI Protein Information	stromal cell-derived factor 1
UniProt Protein Name	Stromal cell-derived factor 1
UniProt Gene Name	CXCL12
UniProt Synonym Gene Names	SDF1; SDF1A; SDF1B; SDF-1; hSDF-1; IRH; hIRH; PBSF
UniProt Entry Name	SDF1_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/sdf-1a-rat-clia-kits/sdf-1alpha-stromal-cell-derived-factor-1alpha/171215>