

Rat SDF-1 ELISA Kit | SDF-1 elisa kit

Rat SDF-1 (Stromal Cell Derived Factor 1) ELISA Kit

CATALOG #
AAA21894

REACTIVITY
Rat

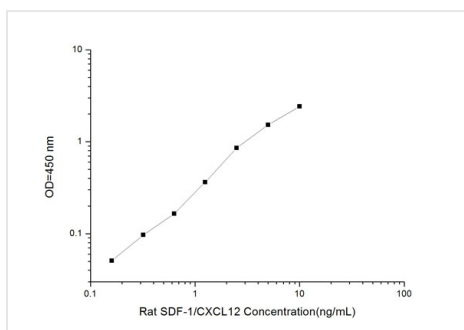
PRODUCT SYNONYMS

SDF-1; Rat SDF-1 (Stromal Cell Derived Factor 1) ELISA Kit; SDF-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat SDF-1/CXCL12 in samples. No significant cross-reactivity or interference between Rat SDF-1/CXCL12 and analogues was observed.
Sequence Length	89
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.16-10ng/mL
Sensitivity	0.1ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat SDF-1/CXCL12 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat SDF-1/CXCL12 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SDF-1 elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat SDF-1/CXCL12 concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat SDF-1/CXCL12. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat SDF-1/CXCL12 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat SDF- 1/CXCL12, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat SDF-1/CXCL12. You can calculate the concentration of Rat SDF-1/CXCL12 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	311771563
NCBI GeneID	399030
NCBI Accession #	NP_001165249.1
NCBI GenBank Nucleotide #	NM_001171778.1
UniProt Accession #	Q8UUJ9; Q498K3
Molecular Weight	10,144 Da
NCBI Official Full Name	stromal cell-derived factor 1 isoform alpha
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 12<
NCBI Official Symbol	cxcl12
NCBI Official Synonym Symbols	sdf1; sdf-1; xSDF-1; xSDF-1alpha
NCBI Protein Information	stromal cell-derived factor 1; chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1); stromal-derived factor 1; xSDF-1
UniProt Protein Name	Stromal cell-derived factor 1
UniProt Gene Name	cxcl12
UniProt Synonym Gene Names	xSDF-1
UniProt Entry Name	SDF1_XENLA

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.