

Rat Stromal Cell Derived Factor 1 ELISA Kit | SDF1 elisa kit

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CATALOG # AAA82965	REACTIVITY Rat
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PRODUCT SYNONYMS

Stromal Cell Derived Factor 1; Rat Stromal Cell Derived Factor 1 ELISA Kit; SDF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for SDF1 elisa kit	Intended Uses: This SDF-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SDF-1. This ELISA kit for research use only! Principle of the Assay SDF-1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for SDF-1. Standards or samples are then added to the microtiter plate wells and SDF-1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of SDF-1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for SDF-1 are added to each well to "sandwich" the SDF-1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain SDF-1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SDF-1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for SDF1 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	45383151
NCBI GeneID	395180
NCBI Accession #	NP_989841.1
NCBI GenBank Nucleotide #	NM_204510.1
NCBI Official Full Name	stromal cell-derived factor 1
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 12

NCBI Official Symbol	CXCL12
NCBI Official Synonym Symbols	SDF1
NCBI Protein Information	stromal cell-derived factor 1; chemokine ligand 12b; stromal cell derived factor 1; stromal cell-derived factor-1 beta; chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)

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://www.aaabiotech.com/sdf1-rat-elisa-kits/stromal-cell-derived-factor-1/82965>