

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

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CATALOG #
AAA92524

REACTIVITY
Bovine

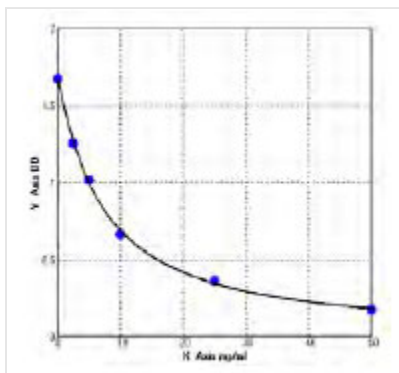
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of SDF-1. No significant cross-reactivity or interference between SDF-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SDF-1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

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 Bovine SDF-1. This ELISA kit for research use only! Principle of the Assay: SDF-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SDF-1 antibody and an SDF-1-HRP conjugate. The assay sample and buffer are incubated together with SDF-1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SDF-1 concentration since SDF-1 from samples and SDF-1-HRP conjugate compete for the anti-SDF-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by SDF-1 from the sample, fewer sites are left to bind SDF-1-HRP conjugate. 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://stage.aaabiotech.com/sdf1-bovine-ovine-elisa-kits/stromal-cell-derived-factor-1/92524>