

Porcine Stromal cell derived factor 1beta ELISA Kit | SDF-1beta elisa kit

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CATALOG #
AAA16767

REACTIVITY
Porcine

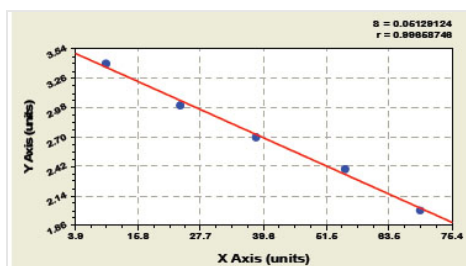
PRODUCT SYNONYMS

Stromal cell derived factor 1beta; Porcine Stromal cell derived factor 1beta ELISA Kit; SDF-1beta elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This SDF-1beta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine SDF-1beta. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SDF-1beta elisa kit

Principle of the assay: SDF-1beta ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SDF-1beta antibody and an SDF-1beta-HRP conjugate. The assay sample and buffer are incubated together with SDF-1beta-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-1beta concentration since SDF-1beta from samples and SDF-1beta-HRP conjugate compete for the anti-SDF-1beta antibody binding site. Since the number of sites is limited, as more sites are occupied by SDF-1beta from the sample, fewer sites are left to bind SDF-1beta-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SDF-1beta concentration in each sample is interpolated from this standard curve.

Product Categories/Family for SDF-1beta elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	10834988
NCBI GeneID	6387
NCBI Accession #	NP_000600.1
NCBI GenBank Nucleotide #	NM_000609.6
Molecular Weight	11,004 Da
NCBI Official Full Name	stromal cell-derived factor 1 isoform beta
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; intercrine reduced in hepatomas; pre-B cell growth-stimulating factor
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://www.aaabiotech.com/sdf-1beta-porcine-elisa-kits/stromal-cell-derived-factor-1beta/16767>