

Sheep Stromal cell Derived factor 1alpha ELISA Kit | SDF1alpha elisa kit

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CATALOG #
AAA90697

REACTIVITY
Sheep

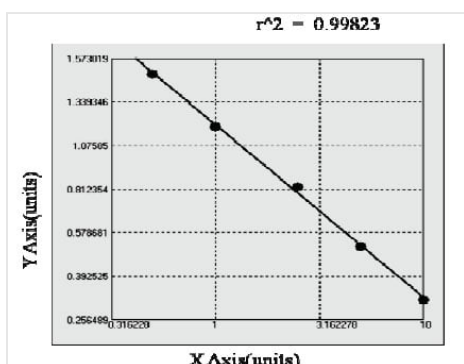
PRODUCT SYNONYMS

Stromal cell Derived factor 1alpha; Sheep Stromal cell Derived factor 1alpha ELISA Kit; Sheep Stromal cell Derived factor 1a ELISA Kit; SDF1alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This SDF1alpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep SDF1alpha. 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 SDF1alpha elisa kit

Principle of the Assay: SDF1alpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SDF1alpha antibody and an SDF1alpha-HRP conjugate. The assay sample and buffer are incubated together with SDF1alpha-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 SDF1alpha concentration since SDF1alpha from samples and SDF1alpha-HRP conjugate compete for the anti-SDF1alpha antibody binding site. Since the number of sites is limited, as more sites are occupied by SDF1alpha from the sample, fewer sites are left to bind SDF1alpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SDF1alpha concentration in each sample is interpolated from this standard curve.

Product Categories/Family for SDF1alpha elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	40316924
NCBI GeneID	6387
NCBI Accession #	NP_954637.1
NCBI GenBank Nucleotide #	NM_199168.3
Molecular Weight	11,004 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	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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/sdf1alpha-sheep-elisa-kits/stromal-cell-derived-factor-1alpha/90697>