

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

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CATALOG #
AAA90247

REACTIVITY
Goat

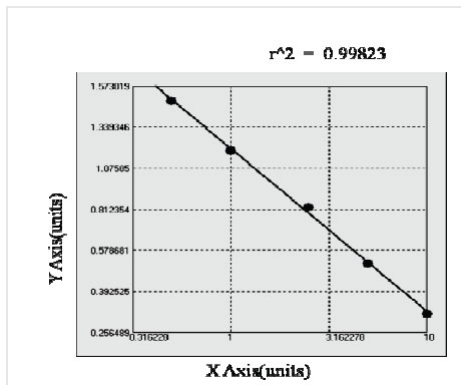
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	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

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This SDF1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat SDF1. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY SDF1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SDF1 antibody and an SDF1-HRP conjugate. The assay sample and buffer are incubated together with SDF1-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 SDF1 concentration since SDF1 from samples and SDF1-HRP conjugate compete for the anti-SDF1 antibody binding site. Since the number of sites is limited, as more sites are occupied by SDF1 from the sample, fewer sites are left to bind SDF1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SDF1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	45383151
NCBI GeneID	395180
NCBI Accession #	NP_989841.1
NCBI GenBank Nucleotide #	NM_204510.1
UniProt Accession #	Q6T7C0; Q6T7B9
Molecular Weight	10,104 Da
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)
UniProt Protein Name	Stromal cell derived factor 1
UniProt Gene Name	CXCL12
UniProt Synonym Gene Names	SDF1
UniProt Entry Name	Q6T7C0_CHICK

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.