

Human Stromal cell derived factor 1a ELISA Kit | SDF-1a elisa kit

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CATALOG #
AAA84876

REACTIVITY
Human

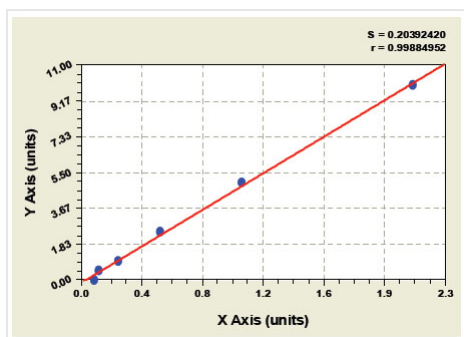
PRODUCT SYNONYMS

Stromal cell derived factor 1a; Human Stromal cell derived factor 1a ELISA Kit; Stromal cell derived factor 1a (Human); SDF-1a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
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 SDF-1a elisa kit

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

INTENDED USE This SDF-1a ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SDF-1a. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY SDF-1a ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for SDF-1a. Standards or samples are then added to the microtiter plate wells and SDF-1a if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of SDF-1a present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for SDF-1a are added to each well to "sandwich" the SDF-1a 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-1a 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-1a concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40316924
NCBI GeneID	6387
NCBI Accession #	NP_954637.1
NCBI GenBank Nucleotide #	NM_199168.3
UniProt Accession #	Q6ICW0; P48061; Q2L985; Q2L986; Q2L988; Q8NF00
Molecular Weight	10,103 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; SDF1A; SDF1B; TPAR1; SCYB12
NCBI Protein Information	stromal cell-derived factor 1; OTTHUMP00000019491; OTTHUMP00000019492; OTTHUMP00000216979; OTTHUMP00000216980; intercrine reduced in hepatomas; pre-B cell growth-stimulating factor
UniProt Protein Name	CXCL12 protein
UniProt Gene Name	CXCL12
UniProt Entry Name	Q6ICW0_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.