

Mouse stromal cell derived factor 1alpha (SDF-1alpha/SDF1A) ELISA Kit | SDF-1alpha/SDF1A elisa kit

Mouse stromal cell derived factor 1alpha, SDF-1alpha/SDF1A ELISA Kit

CATALOG #
AAA113035

REACTIVITY
Mouse

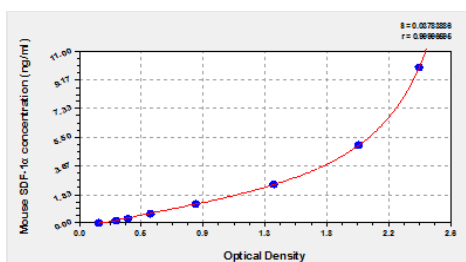
PRODUCT SYNONYMS

stromal cell derived factor 1alpha (SDF-1alpha/SDF1A); Mouse stromal cell derived factor 1alpha; SDF-1alpha/SDF1A ELISA Kit; Mouse stromal cell derived factor 1alpha (SDF-1alpha/SDF1A) ELISA kit; SDF-1alpha/SDF1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse SDF-1alpha. No significant cross-reactivity or interference between mouse SDF-1alpha and analogues was observed.
Sequence Length	89
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Assay Type	Sandwich
Detection Range	0.156 ng/ml - 10 ng/ml.
Sensitivity	The minimum detectable dose of mouse SDF-1alpha is typically less than 0.039 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SDF-1alpha/SDF1A elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for SDF-1alpha has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SDF-1alpha present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SDF-1alpha is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SDF-1alpha bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	40316924
NCBI GeneID	6387
NCBI Accession #	NP_954637.1
NCBI GenBank Nucleotide #	NM_199168.3
UniProt Accession #	P48061; Q2L985; Q2L986; Q2L988; Q5IT36; Q6ICW0; Q9H554; B2R4G0; E7EVL0; H7BYN8
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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/stromal-cell-derived-factor-1alpha-sdf-1alpha-sdf1a/113035>