

Human CXCL12 ELISA Kit | CXCL12 elisa kit

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CATALOG #
AAA263320

REACTIVITY
Human

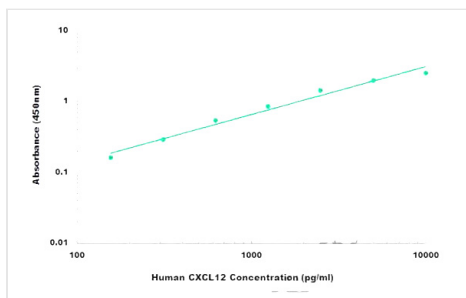
PRODUCT SYNONYMS

CXCL12; Human CXCL12 ELISA Kit; SDF1; SDF1A; SDF1B; Stromal cell-derived factor 1; SDF-1; hSDF-1; C-X-C motif chemokine 12; Interocrine reduced in hepatomas; IRH; hIRH; Pre-B cell growth-stimulating factor; PBSF; CXCL12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human CXCL12 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human CXCL12 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	103
Samples	Culture Supernates, Serum, Plasma
Sensitivity	< 80 pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CXCL12 elisa kit	Background: CXCL12/Stromal Cell-derived Factor 1 (SDF-1) is a member of the CXC chemokine ligand superfamily. Six alternatively spliced CXCL12/SDF-1 isoforms have been identified including, CXCL12/SDF-1 alpha, CXCL12/SDF-1 beta, and CXCL12/SDF-1 gamma. CXCL12/SDF-1 alpha is 89 amino acids (aa) in length with a predicted molecular weight of 10 kDa, CXCL12/SDF-1 beta is 93 aa in length with a predicted molecular weight of 10.6 kDa, and CXCL12/SDF-1 gamma is 119 aa in length with a predicted molecular weight of 13.7 kDa. The alpha and beta isoforms are ubiquitously expressed while the gamma isoform is primarily expressed in the heart. CXCL12/SDF-1 isoforms are chemotactic for T lymphocytes and monocytes. It is cardio protective and has also been shown to hinder CXCR4-mediated HIV infection of T cells. Principle of the Assay: The AAA Biotech' Human CXCL12 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human CXCL12 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human CXCL12 coated on a 96-well plate. Standards and samples are pipetted into the wells and CXCL12 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human CXCL12 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CXCL12 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10834988
NCBI GeneID	6387
NCBI Accession #	NP_000600.1
NCBI GenBank Nucleotide #	NM_000609.6
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 beta
NCBI Official Synonym Full Names	C-X-C motif chemokine ligand 12
NCBI Official Symbol	CXCL12
NCBI Official Synonym Symbols	IRH; PBSF; SDF1; TLSF; TPAR1; SCYB12
NCBI Protein Information	stromal cell-derived factor 1
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

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/human-elisa-kits/cxcl12/263320>