

Human CXCL12/SDF-1 ELISA Kit | CXCL12 elisa kit

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CATALOG #
AAA281397

REACTIVITY
Human

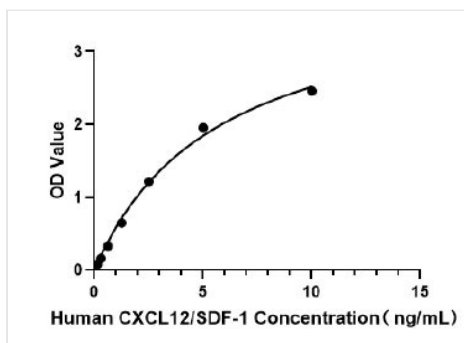
PRODUCT SYNONYMS

CXCL12/SDF-1; Human CXCL12/SDF-1 ELISA Kit; CXCL12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CXCL12/SDF-1. No significant cross-reactivity or interference between CXCL12/ SDF-1 and analogues was observed.
Sequence Length	93
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.051ng/mL
Intra-assay Precision	Intra-plate Precision 3 samples with low, middle and high level CXCL12/SDF-1 were tested 20 times on one plate, respectively. Intra-Assay: CV<=5.5%
Inter-assay Precision	Inter-plate Precision 3 samples with low, middle and high level CXCL12/SDF-1 were tested on 3 different plates, 20 replicates in each plate. Inter-Assay: CV<=7.4%
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CXCL12 elisa kit	Background: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CXCL12/SDF-1 in human serum, plasma, cell culture supernatants and other biological fluids. Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. An antibody specific for human CXCL12/SDF-1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CXCL12/SDF-1 present is bound by the immobilized antibody. After washing away any unbound substances, a biotinconjugated detection antibody specific for human CXCL12/ SDF-1 is added to the wells. After incubating, an enzymelinked streptavidin is added and binds to biotin. Following a wash to remove any unbound antibody-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CXCL12/SDF-1 bound in the initial step. The color development is stopped, and the absorbance is measured.
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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	10,103 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.