

Rabbit stromal cell derived factor 1 (SDF-1/CXCL12) ELISA Kit | SDF-1/CXCL12 elisa kit

Rabbit stromal cell derived factor 1, SDF-1/CXCL12 ELISA Kit

CATALOG #
AAA80219

REACTIVITY
Rabbit

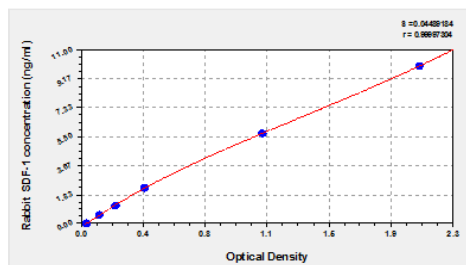
PRODUCT SYNONYMS

stromal cell derived factor 1 (SDF-1/CXCL12); Rabbit stromal cell derived factor 1; SDF-1/CXCL12 ELISA Kit; Rabbit stromal cell derived factor 1 (SDF-1/CXCL12) ELISA kit; SDF-1/CXCL12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Sequence Length	89
Samples	Serum, plasma, tissue homogenates
Detection Range	0.57 ng/ml-10 ng/ml
Sensitivity	0.36 ng/ml
Detection Wavelength	450 nm
Sample Volume	50-100ul
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-1/CXCL12 elisa kit

Introduction: SDF-1 (stromal cell-derived factor-1) is small cytokine belonging to the chemokine family that is officially designated Chemokine (C-X-C motif) ligand 12 (CXCL12). For background information on chemokines, see CXCL11 (SCYB11; MIM 604852). Stromal cell-derived factors 1-alpha and 1-beta are small cytokines that belong to the intercrine family, members of which activate leukocytes and are often induced by proinflammatory stimuli such as lipopolysaccharide, TNF, or IL1. The intercrines are characterized by the presence of 4 conserved cysteines which form 2 disulfide bonds. They can be classified into 2 subfamilies. In the CC subfamily, which includes beta chemokine, the cysteine residues are adjacent to each other. In the CXC subfamily, which includes alpha chemokine, they are separated by an intervening amino acid. The SDF1 proteins belong to the latter group.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SDF-1. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP) conjugated monoclonal antibody preparation specific for SDF-1 and incubated. Then substrate solution A and B are added to each well. Only those wells that contain SDF-1, HRP-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of SDF-1 in the samples is then determined by comparing the O.D. of the samples to the 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
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	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.

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Online datasheet: <https://stage.aaabiotech.com/rabbit-elisa-kits/stromal-cell-derived-factor-1-sdf-1-cxcl12/80219>