

## Mouse Stromal cell derived factor 1a, SDF-1a ELISA Kit | SDF-1a elisa kit

Mouse Stromal cell derived factor 1a, SDF-1a ELISA Kit

CATALOG #  
**AAA43187**

REACTIVITY  
**Mouse**

### PRODUCT SYNONYMS

Stromal cell derived factor 1a; SDF-1a; Mouse Stromal cell derived factor 1a; SDF-1a ELISA Kit; SDF-1a elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                    |
| Sequence Length         | 89                                                                       |
| Samples                 | Serum, plasma, cell culture supernates, cell lysates, tissue homogenates |
| Assay Type              | Quantitative Sandwich                                                    |
| Detection Range         | 0.05ng/ml - 15ng/ml                                                      |
| Sensitivity             | 0.024ng/ml                                                               |
| Intra-Assay             | CV<8%                                                                    |
| Inter-Assay             | CV<10%                                                                   |
| Preparation and Storage | Store at 2 to 8 degree C for 6 months.                                   |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for SDF-1a elisa kit

**Intended Uses:** This sandwich kit is for the accurate quantitative detection of Mouse Stromal Cell Derived Factor 1a (also known as SDF-1a) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

**Principles of the Assay:** This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Mouse SDF-1a antibody. SDF-1a present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Mouse SDF-1a Antibody is added and binds to SDF-1a in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated SDF-1a antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Mouse SDF-1a. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| NCBI GI #                        | 58760243                                           |
| NCBI GeneID                      | 6387                                               |
| Molecular Weight                 | 10,103 Da                                          |
| NCBI Official Full Name          | stromal cell-derived factor 1a                     |
| 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/stromal-cell-derived-factor-1a-sdf-1a/43187>