

Bovine Stromal Cell Derived Factor 4 ELISA Kit | SDF4 elisa kit

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CATALOG #
AAA88652

REACTIVITY
Bovine

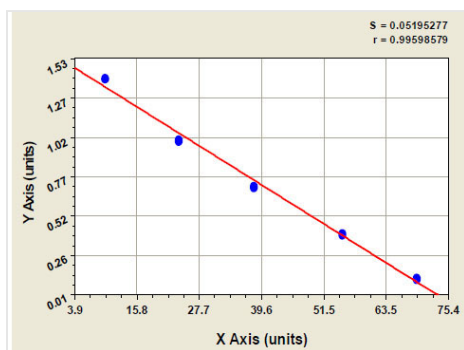
PRODUCT SYNONYMS

Stromal Cell Derived Factor 4; Bovine Stromal Cell Derived Factor 4 ELISA Kit; SDF4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This SDF4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine SDF4. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SDF4 elisa kit

Principle of the assay: SDF4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SDF4 antibody and an SDF4-HRP conjugate. The assay sample and buffer are incubated together with SDF4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SDF4 concentration since SDF4 from samples and SDF4-HRP conjugate compete for the anti-SDF4 antibody binding site. Since the number of sites is limited, as more sites are occupied by SDF4 from the sample, fewer sites are left to bind SDF4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SDF4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for SDF4 elisa kit

[Immunology](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	56206313
UniProt Accession #	B1AME6; Q53G52; Q53HQ9; Q8NBQ3; Q96AA1; Q9NZP7; Q9UN53; B1AME5; B2RDF1; B4DSM1
Molecular Weight	39,608 Da
UniProt Protein Name	45 kDa calcium-binding protein
UniProt Gene Name	SDF4
UniProt Synonym Gene Names	CAB45; PSEC0034; Cab45; SDF-4
UniProt Entry Name	CAB45_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/sdf4-bovine-ovine-elisa-kits/stromal-cell-derived-factor-4/88652>