

Mouse SPARCL1 ELISA Kit | SPARCL1 elisa kit

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CATALOG #
AAA125845

REACTIVITY
Mouse

PRODUCT SYNONYMS

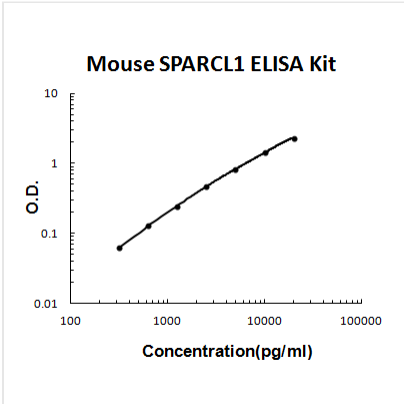
SPARCL1; Mouse SPARCL1 ELISA Kit; SPARC-like protein 1; Extracellular matrix protein 2; Matrix glycoprotein Sc1; Sparcl1; Ecm2; Sc1; SPARC-like 1; SPARCL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse SPARCL1
Samples	cell culture supernatants, serum and plasma (heparin, EDTA, citrate)
Detection Range	312pg/ml-20,000pg/ml
Sensitivity	<50pg/ml
Capture/Detection Antibodies	Capture antibody- a monoclonal antibody from rat Detection antibody- a biotinylated polyclonal antibody from goat
Sample Data	Concentration(pg/ml) 0 312 625 1250 2500 5000 10000 20000 O.D. 0.010 0.072 0.139 0.253 0.481 0.842 1.437 2.327
Intra-Assay Precision	Sample 1 2 3 n 16 16 16 Mean(pg/ml) 467 1310 7832 Standard deviation 19.15 56.33 360.27 CV(%) 4.1% 4.3% 4.6%
Inter-Assay Precision	Sample 1 2 3 n 24 24 24 Mean(pg/ml) 529 2102 8406 Standard deviation 30.68 145.04 605.23 CV(%) 5.8% 6.9% 7.2%
Reproducibility	To assay reproducibility, three samples with differing target protein concentrations were assayed using four different lots. Lots: Lot 1 (pg/ml) Lot 2 (pg/ml) Lot 3 (pg/ml) Lot 4 (pg/ml) Mean (pg/ml) Standard Deviation CV (%) Sample 1: 467 427 448 472 453 17.72 3.9% Sample 2: 1310 1396 1545 1357 1402 87.99 6.2% Sample 3: 7832 7176 7216 8274 7624 456.32 5.9% *number of samples for each test n=16.
Cross Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen	Expression system for standard: NS0; Immunogen sequence: I17-F650
Anticoagulant	heparin, EDTA or citrate

Principle	Mouse SPARCL1 ELISA Kit is based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for SPARCL1 has been precoated onto 96-well plates. Standards(Expression system for standard: NS0, Immunogen sequence: I17-F650) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for SPARCL1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex is added and unbound conjugates are washed away with PBS or TBS buffer. HRP substrate TMB are used to visualize HRP enzymatic reaction. TMB is catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse SPARCL1 amount of sample captured in plate.
Assay Procedure Step 1	Aliquot 0.1ml per well of the 20000pg/ml, 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml mouse SPARCL1 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernatants, serum or plasma (heparin, EDTA, citrate) to each empty well. See "Sample Dilution Guideline" for details. We recommended that each mouse SPARCL1 standard solution and each sample be measured in duplicate.
TMB Incubation Time	15-20
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles. (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)
 Mouse SPARCL1 ELISA Kit Standard Curve

ADDITIONAL INFORMATION

Related Product Information for SPARCL1 elisa kit	SPARCL1 (SPARC-Like Protein 1), also known as HEVIN, is a protein that in humans is encoded by the SPARCL1 gene. It is mapped to 5 E5; 5 50. 55 cM. The cells in high endothelial venules (HEVs) in lymphoid tissues have a plump, almost cuboidal, appearance and support high levels of lymphocyte extravasation from blood, possibly due to the presence of desmosome-like junctions rather than tight junctions in the HEVs. In chronic inflammation, the activated endothelium of nonlymphoid tissues acquires an HEV-like morphology and function. SPARCL1 is highly expressed in HEV and is thought to contribute to the induction or maintenance of features of the HEV endothelium that facilitate lymphocyte migration.
Product Categories/Family for SPARCL1 elisa kit	ELISA kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	227330561
NCBI Accession #	NP_034227.3
NCBI GenBank Nucleotide #	NP_034227.3
UniProt Accession #	P70663
NCBI Official Full Name	SPARC-like protein 1

UniProt Protein Name	SPARC-like protein 1
UniProt Gene Name	Sparcl1
UniProt Synonym Gene Names	Ecm2; Sc1
UniProt Entry Name	SPRL1_MOUSE

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/mouse-elisa-kits/sparcl1/125845>