

Human Sulfiredoxin-1 ELISA Kit | SRXN1 elisa kit

Human Sulfiredoxin-1 ELISA Kit

CATALOG #
AAA194287

REACTIVITY
Human

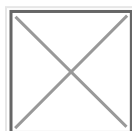
PRODUCT SYNONYMS

Sulfiredoxin-1; Human Sulfiredoxin-1 ELISA Kit; SRXN1; C20orf139; SRX; 1.8.98.2; SRXN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural HumanSulfiredoxin-1. No significant cross-reactivity or interference was observed.
Sequence Length	137
Assay Type	Competitive
Detection Range	0.625-40 ng/mL
Sensitivity	0.338 ng/mL
Intra-Assay CV	<=7.5%
Inter-Assay CV	<=9.7%
Recovery	104%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SRXN1 elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of humanSulfiredoxin-1 concentrations in serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.

Principle of the Assay||The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific toSulfiredoxin-1. During the reaction,Sulfiredoxin-1in the sample or standard competes with a fixed amount of biotin-labeledSulfiredoxin-1 for sites on a pre-coated Monoclonal antibody specific to Sulfiredoxin-1. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. 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 Sulfiredoxin-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 #	22129778
NCBI GeneID	140809
NCBI Accession #	NP_542763.1
NCBI GenBank Nucleotide #	NM_080725.2
UniProt Accession #	Q9BYN0; Q8NDM3; Q96AK6; B2R543
Molecular Weight	14,259 Da
NCBI Official Full Name	sulfiredoxin-1
NCBI Official Synonym Full Names	sulfiredoxin 1
NCBI Official Symbol	SRXN1
NCBI Official Synonym Symbols	SRX; Npn3; SRX1; C20orf139
NCBI Protein Information	sulfiredoxin-1
UniProt Protein Name	Sulfiredoxin-1
UniProt Gene Name	SRXN1
UniProt Synonym Gene Names	C20orf139; SRX
UniProt Entry Name	SRXN1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/srxn1-human-elisa-kits/sulfiredoxin-1/194287>