

Human Sulfide:quinone oxidoreductase ELISA Kit | SQRDL elisa kit

Human Sulfide:quinone oxidoreductase, mitochondrial (SQRDL) ELISA Kit

CATALOG #
AAA55885

REACTIVITY
Human

PRODUCT SYNONYMS

Sulfide:quinone oxidoreductase; Human Sulfide:quinone oxidoreductase; mitochondrial (SQRDL) ELISA Kit; CGI-44; sulfide dehydrogenase like; SQRDL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human SQRDL. No significant cross-reactivity or interference between Human SQRDL and analogues was observed.
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78.1 pg/mL - 5000 pg/mL
Sensitivity	39 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for SQRDL elisa kit	Intended Uses: For the quantitative detection of Human Sulfide:quinone oxidoreductase, mitochondrial (SQRDL) concentration in serum, plasma and other biological fluids. Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate SQRDL in Human serum, plasma. An antibody specific for SQRDL has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SQRDL present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SQRDL is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SQRDL bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	403420580
NCBI GeneID	58472
NCBI Accession #	NP_001258142.1
NCBI GenBank Nucleotide #	NM_001271213.1
UniProt Accession #	Q9Y6N5; Q9UQM8
Molecular Weight	49,961 Da

NCBI Official Full Name	sulfide:quinone oxidoreductase, mitochondrial
NCBI Official Synonym Full Names	sulfide quinone oxidoreductase
NCBI Official Symbol	SQOR
NCBI Official Synonym Symbols	SQR; SQRDL; CGI-44; PRO1975
NCBI Protein Information	sulfide:quinone oxidoreductase, mitochondrial
UniProt Protein Name	Sulfide:quinone oxidoreductase, mitochondrial
UniProt Gene Name	SQOR
UniProt Synonym Gene Names	SQOR

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://www.aaabiotech.com/sqrdl-human-elisa-kits/sulfidequinone-oxidoreductase/55885>