

Chicken Sulfite oxidase, mitochondrial (SUOX) ELISA Kit | SUOX elisa kit

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CATALOG #
AAA244918

REACTIVITY
Chicken

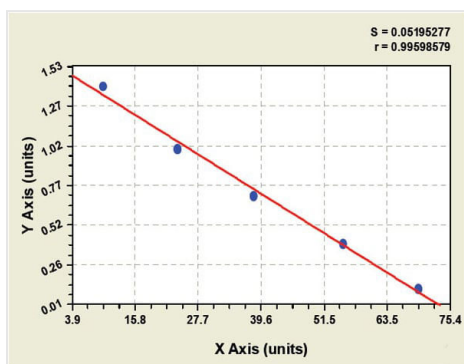
PRODUCT SYNONYMS

Sulfite oxidase; mitochondrial (SUOX); Chicken Sulfite oxidase; mitochondrial (SUOX) ELISA Kit; SUOX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This SUOX ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken SUOX. 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 SUOX elisa kit

Principle of the assay: SUOX ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SUOX antibody and an SUOX-HRP conjugate. The assay sample and buffer are incubated together with SUOX-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 SUOX concentration since SUOX from samples and SUOX-HRP conjugate compete for the anti-SUOX antibody binding site. Since the number of sites is limited, as more sites are occupied by SUOX from the sample, fewer sites are left to bind SUOX-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SUOX concentration in each sample is interpolated from this standard curve.

Product Categories/Family for SUOX elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	74099704
NCBI GeneID	6821
NCBI Accession #	NP_001027559.1
NCBI GenBank Nucleotide #	NM_001032387.1
Molecular Weight	60,283 Da
NCBI Official Full Name	sulfite oxidase, mitochondrial
NCBI Official Synonym Full Names	sulfite oxidase
NCBI Official Symbol	SUOX
NCBI Protein Information	sulfite oxidase, mitochondrial
UniProt Protein Name	Sulfite oxidase, mitochondrial
UniProt Gene Name	SUOX
UniProt Entry Name	SUOX_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/chicken-elisa-kits/sulfite-oxidase-mitochondrial-suox/244918>