

Human Succinate Dehydrogenase ELISA Kit | SDH elisa kit

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CATALOG #
AAA94581

REACTIVITY
Human

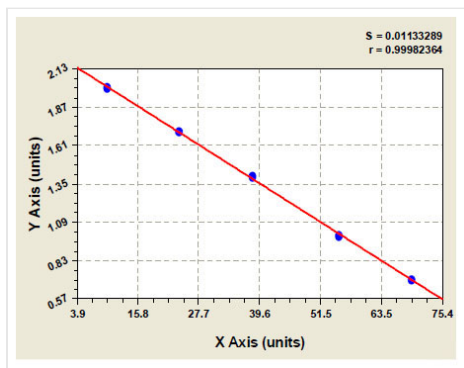
PRODUCT SYNONYMS

Succinate Dehydrogenase; Human Succinate Dehydrogenase ELISA Kit; SDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This SDH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SDH. 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 SDH elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	40644750
UniProt Accession #	Q70KF8
Molecular Weight	32,104 Da
NCBI Official Full Name	succinate dehydrogenase
UniProt Protein Name	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial
UniProt Gene Name	SDH2
UniProt Synonym Gene Names	sucDH1; lp
UniProt Entry Name	SDHB_UROFA

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/sdh-human-elisa-kits/succinate-dehydrogenase/94581>