

Human Succinate Dehydrogenase Complex Subunit A (SDHA) ELISA Kit | SDHA elisa kit

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CATALOG #
AAA68680

REACTIVITY
Human

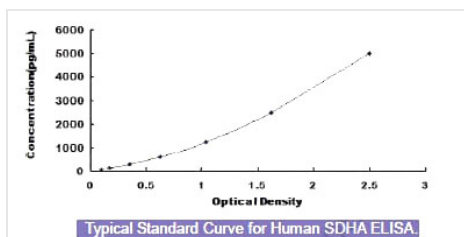
PRODUCT SYNONYMS

Succinate Dehydrogenase Complex Subunit A (SDHA); Human Succinate Dehydrogenase Complex Subunit A (SDHA) ELISA Kit; SDH2; SDHF; FP; Flavoprotein; Flavoprotein subunit of complex II; Succinate dehydrogenase [ubiquinone] flavoprotein subunit; mitochondrial; SDHA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SDHA. No significant cross-reactivity or interference between SDHA and analogues was observed.
Sequence Length	616
Samples	Tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78.125-5000pg/mL
Sensitivity	<33.2pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SDHA were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SDHA were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SDHA elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SDHA in human tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SDHA. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SDHA. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain SDHA, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of SDHA in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	661567360
NCBI GeneID	6389
NCBI Accession #	NP_001281261.1
NCBI GenBank Nucleotide #	NM_001294332.1
UniProt Accession #	P31040; Q16395; Q59GW8; Q8IW48; Q9UMY5; A8K5J6; B4DJ60; E9PBJ5
Molecular Weight	56,650 Da
NCBI Official Full Name	succinate dehydrogenase
NCBI Official Synonym Full Names	succinate dehydrogenase complex flavoprotein subunit A
NCBI Official Symbol	SDHA
NCBI Official Synonym Symbols	FP; PGL5; SDH1; SDH2; SDHF; CMD1GG
NCBI Protein Information	succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial
UniProt Protein Name	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial
UniProt Gene Name	SDHA
UniProt Synonym Gene Names	SDH2; SDHF; Fp

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.