

Human Succinate Dehydrogenase Complex Subunit B (SDHB) ELISA Kit | SDHB elisa kit

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CATALOG #
AAA68682

REACTIVITY
Human

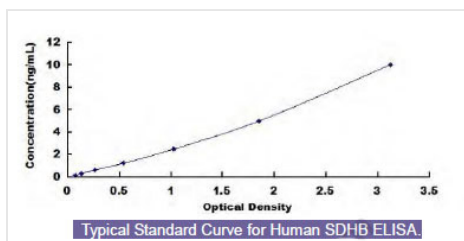
PRODUCT SYNONYMS

Succinate Dehydrogenase Complex Subunit B (SDHB); Human Succinate Dehydrogenase Complex Subunit B (SDHB) ELISA Kit; SDH1; SDH; Ip; Iron Sulfur; Iron-sulfur subunit of complex II; Succinate dehydrogenase [ubiquinone] iron-sulfur subunit; mitochondrial; SDHB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SDHB. No significant cross-reactivity or interference between SDHB and analogues was observed.
Sequence Length	280
Samples	Tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.067ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SDHB 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 SDHB 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 SDHB elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SDHB 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 SDHB. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SDHB. 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 SDHB, 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 SDHB 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 #	115387094
NCBI GeneID	6390
NCBI Accession #	NP_002991.2
NCBI GenBank Nucleotide #	NM_003000.2
UniProt Accession #	P21912; Q0QEY7; Q9NQ12; B2R545
Molecular Weight	31,630 Da
NCBI Official Full Name	succinate dehydrogenase
NCBI Official Synonym Full Names	succinate dehydrogenase complex iron sulfur subunit B
NCBI Official Symbol	SDHB
NCBI Official Synonym Symbols	IP; SDH; CWS2; PGL4; SDH1; SDH2; SDHIP
NCBI Protein Information	succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial
UniProt Protein Name	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial
UniProt Gene Name	SDHB
UniProt Synonym Gene Names	SDH; SDH1; Ip

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.