

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

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CATALOG #
AAA188293

REACTIVITY
Human

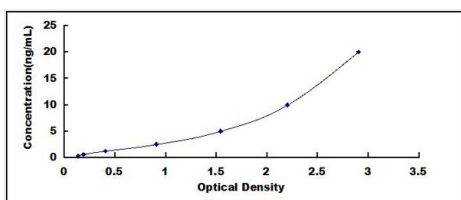
PRODUCT SYNONYMS

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 Succinate Dehydrogenase Complex Subunit B (SDHB). No significant cross-reactivity or interference between Succinate Dehydrogenase Complex Subunit B (SDHB) and analogues was observed.
Sequence Length	280
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.122ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Succinate Dehydrogenase Complex Subunit B (SDHB) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Succinate Dehydrogenase Complex Subunit B (SDHB) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SDHB elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Succinate Dehydrogenase Complex Subunit B (SDHB). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Succinate Dehydrogenase Complex Subunit B (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 Succinate Dehydrogenase Complex Subunit B (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 Succinate Dehydrogenase Complex Subunit B (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 #	20455488
NCBI GeneID	6390
UniProt Accession #	P21912
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
UniProt Entry Name	SDHB_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/human-elisa-kits/succinate-dehydrogenase-complex-subunit-b-sdhb/188293>