

Mouse Succinate Dehydrogenase Complex Subunit D (SDHD) ELISA Kit | SDHD elisa kit

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CATALOG #
AAA68177

REACTIVITY
Mouse

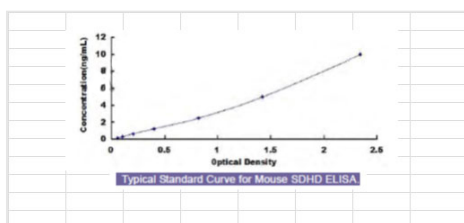
PRODUCT SYNONYMS

Succinate Dehydrogenase Complex Subunit D (SDHD); Mouse Succinate Dehydrogenase Complex Subunit D (SDHD) ELISA Kit; SDHD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of SDHD. No significant cross-reactivity or interference between SDHD and analogues was observed.
Sequence Length	159
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.066ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SDHD 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 SDHD were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SDHD elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SDHD in mouse tissue homogenates, and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SDHD. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SDHD. 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 SDHD, 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 SDHD 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 #	27229021
NCBI GeneID	66925
NCBI Accession #	NP_080124.1
NCBI GenBank Nucleotide #	NM_025848.3
UniProt Accession #	Q9CXV1; Q3UX11; A6H629
Molecular Weight	17,014 Da
NCBI Official Full Name	succinate dehydrogenase
NCBI Official Synonym Full Names	succinate dehydrogenase complex, subunit D, integral membrane protein
NCBI Official Symbol	Sdhd
NCBI Official Synonym Symbols	C78570; AVLL5809; PRO19626; 3110001M13Rik
NCBI Protein Information	succinate dehydrogenase [ubiquinone] cytochrome b small subunit, mitochondrial
UniProt Protein Name	Succinate dehydrogenase [ubiquinone] cytochrome b small subunit, mitochondrial
UniProt Gene Name	Sdhd
UniProt Synonym Gene Names	CybS

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/mouse-elisa-kits/succinate-dehydrogenase-complex-subunit-d-sdhd/68177>