

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

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CATALOG #
AAA187646

REACTIVITY
Mouse

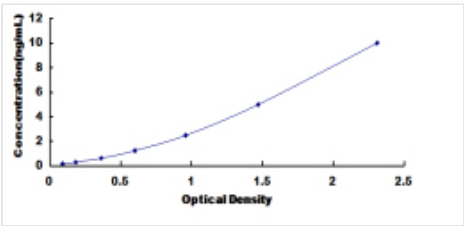
PRODUCT SYNONYMS

Succinate Dehydrogenase Complex Subunit D (SDHD); Mouse Succinate Dehydrogenase Complex Subunit D (SDHD) ELISA Kit; PGL; PGL1; QPs3; Succinate-ubiquinone reductase membrane anchor subunit; Succinate dehydrogenase [ubiquinone] cytochrome b small subunit; mitochondrial; SDHD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Succinate Dehydrogenase Complex Subunit D (SDHD). No significant cross-reactivity or interference between Succinate Dehydrogenase Complex Subunit D (SDHD) and analogues was observed.
Sequence Length	158
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.066ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Succinate Dehydrogenase Complex Subunit D (SDHD) 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 D (SDHD) 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 SDHD 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 D (SDHD). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Succinate Dehydrogenase Complex Subunit D (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 Succinate Dehydrogenase Complex Subunit D (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 Succinate Dehydrogenase Complex Subunit D (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 #	147903843
NCBI GeneID	780772
NCBI Accession #	NP_001087250.1
NCBI GenBank Nucleotide #	NM_001093781.1
UniProt Accession #	Q5G2C6; Q5G2C5; Q5G2C8; Q5G2C9; Q5G2D0; Q5G2D1
Molecular Weight	16,995 Da
NCBI Official Full Name	succinate dehydrogenase complex subunit D
NCBI Official Symbol	LOC780772
NCBI Protein Information	succinate dehydrogenase complex subunit D
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/succinate-dehydrogenase-complex-subunit-d-sdhd/187646>