

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

Rat Succinate Dehydrogenase Complex Subunit B (SDHB) ELISA Kit

CATALOG #
AAA189869

REACTIVITY
Rat

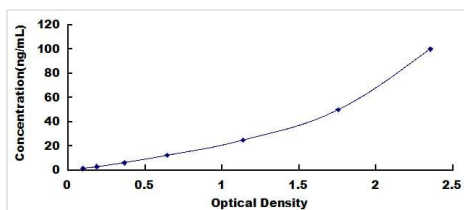
PRODUCT SYNONYMS

Succinate Dehydrogenase Complex Subunit B (SDHB); Rat 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/Succinate Dehydrogenase Complex Subunit B; SDHB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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.
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.62ng/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%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months 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	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SDHB. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SDHB in rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for SDHB elisa kit	Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	209915614
NCBI GeneID	298596
NCBI Accession #	NP_001094009.1
NCBI GenBank Nucleotide #	NM_001100539.1
UniProt Accession #	P21913; Q0QEZ3; B0BMZ2
Molecular Weight	31,830 Da
NCBI Official Full Name	succinate dehydrogenase
NCBI Official Synonym Full Names	succinate dehydrogenase complex iron sulfur subunit B
NCBI Official Symbol	Sdhb
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	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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/succinate-dehydrogenase-complex-subunit-b-sdhb/189869>