

Mouse Sirtuin 3 (SIRT3) ELISA Kit | SIRT3 elisa kit

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CATALOG #
AAA20661

REACTIVITY
Mouse

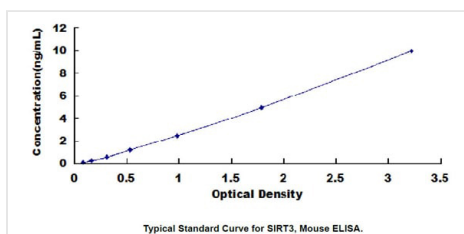
PRODUCT SYNONYMS

Sirtuin 3 (SIRT3); Mouse Sirtuin 3 (SIRT3) ELISA Kit; SIR2L3; Silent Mating Type Information Regulation 2 Homolog 3; NAD-dependent protein deacetylase sirtuin-3; mitochondrial; SIR2-like protein 3; Regulatory protein SIR2 homolog 3; SIRT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of SIRT3. No significant cross-reactivity or interference between SIRT3 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SIRT3 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 SIRT3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 SIRT3 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SIRT3. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to SIRT3. 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 SIRT3, 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 SIRT3 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 SIRT3 in mouse tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for SIRT3 elisa kit	Signal Transduction
References	Cocoa Polyphenol Extract Inhibits Cellular Senescence via Modulation of SIRT1 and SIRT3 in Auditory Cells; <i>Nutrients</i>; 2023 Jan 20;15(3):544.; PMID: 36771251; Luz Del Mar Rivas-Chacón; Department Clinical Analysis, Hospital Universitario de Getafe, Getafe (Madrid), Carretera de Toledo, km 12.500, 28905 Getafe, Madrid, Spain.

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/sirtuin-3-sirt3/20661>