

Human NAD-dependent deacetylase sirtuin-3, mitochondrial ELISA Kit | SIRT3 elisa kit

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CATALOG #
AAA193008

REACTIVITY
Human

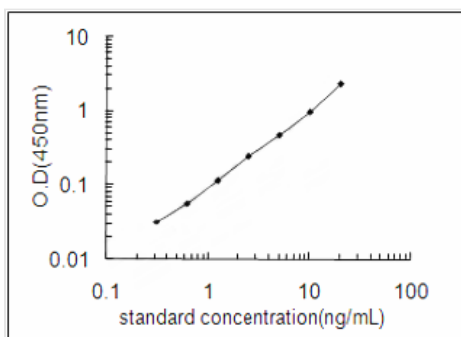
PRODUCT SYNONYMS

NAD-dependent deacetylase sirtuin-3; mitochondrial; Human NAD-dependent deacetylase sirtuin-3; mitochondrial ELISA Kit; hSIRT3; SIR2-like protein 3; SIRT3; SIR2L3; SIRT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural humanhSIRT3. No significant cross-reactivity or interference was observed.
Sequence Length	257
Assay Type	Sandwich
Detection Range	0.312-20 ng/ml
Sensitivity	0.156 ng/mL
Intra-Assay CV	<=6.9%
Inter-Assay CV	<=11.6%
Recovery	91%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SIRT3 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human hSIRT3 concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to hSIRT3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for hSIRT3 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain hSIRT3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of hSIRT3 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 #	63054862
NCBI GeneID	23410
NCBI Accession #	NP_001017524.1
NCBI GenBank Nucleotide #	NM_001017524.2
UniProt Accession #	Q9NTG7; Q9Y6E8; B7Z5U6
Molecular Weight	28,567 Da
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-3, mitochondrial isoform b
NCBI Official Synonym Full Names	sirtuin 3
NCBI Official Symbol	SIRT3
NCBI Official Synonym Symbols	SIR2L3
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-3, mitochondrial
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-3, mitochondrial
UniProt Gene Name	SIRT3
UniProt Synonym Gene Names	SIR2L3; hSIRT3
UniProt Entry Name	SIR3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/sirt3-human-elisa-kits/nad-dependent-deacetylase-sirtuin-3-mitochondrial/193008>