

Human sirtuin (silent mating type information regulation 2 homolog) 3 (S. cerevisiae) ELISA Kit | SIRT3 elisa kit

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

CATALOG #
AAA112262

REACTIVITY
Human

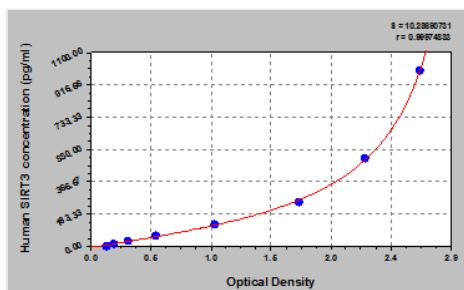
PRODUCT SYNONYMS

sirtuin (silent mating type information regulation 2 homolog) 3 (S. cerevisiae); Human NAD-dependent deacetylase sirtuin-3; mitochondrial; SIRT3 ELISA Kit; mitochondrial (SIRT3) ELISA kit; SIR2L3; mitochondrial nicotinamide adenine dinucleotide-dependent deacetylase; silent mating type information regulation 2; S.cerevisiae; homolog 3; sir2-like 3; sirtuin 3; sirtuin type 3; SIRT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human SIRT3. No significant cross-reactivity or interference between human SIRT3 and analogues was observed.
Sequence Length	399
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	15.6 pg/ml -1000 pg/ml
Sensitivity	Typically less than 3.9 pg/ml.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SIRT3 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for SIRT3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SIRT3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SIRT3 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SIRT3 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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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	43,573 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; sir2-like 3; sirtuin type 3; SIR2-like protein 3; regulatory protein SIR2 homolog 3; NAD-dependent deacetylase sirtuin-3, mitochondrial; silent mating type information regulation 2, S.cerevisiae, homolog 3; mitochondrial nicotinamide adenine dinucleotide-dependent deacetylase
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.

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Online datasheet: <https://stage.aaabiotech.com/sirt3-human-elisa-kits/sirtuin-silent-mating-type-information-regulation-2-homolog-3-s-cerevisiae/112262>