Mouse sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae) ELISA Kit | SIRT1 elisa kit

Mouse NAD-dependent deacetylase sirtuin-1, Sirt1 ELISA Kit

CATALOG #	REACTIVITY
AAA80867	**Mouse**

PRODUCT SYNONYMS

sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae); Mouse NAD-dependent deacetylase sirtuin-1; Sirt1 ELISA Kit; Mouse NAD-dependent deacetylase sirtuin-1 (Sirt1) ELISA Kit; RP11-57G10.3; SIR2L1; SIR2alpha; sir2-like 1; sirtuin 1; sirtuin type 1; SIRT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse SIRT1. No significant cross-reactivity or interference between Mouse SIRT1 and analogues was observed.
Sequence Length	737
Samples	Serum, plasma, tissue homogenates
Detection Range	0.156 ng/ml-10 ng/ml
Sensitivity	0.039 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Apoptosis/Autophagy
Protein Biological Process 3	Apoptosis
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 SIRT1 elisa kit	**Principle of the Assay:** The microtiter plate provided in this kit has been pre-coated with an antibody specific to DAG. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for DAG and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain DAG, 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 DAG in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9790229
NCBI GeneID	93759
NCBI Accession #	NP_062786.1
NCBI GenBank Nucleotide #	NM_019812.2
UniProt Accession #	Q923E4; Q9QXG8
Molecular Weight	80,372 Da
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-1 isoform 1
NCBI Official Synonym Full Names	sirtuin 1
NCBI Official Symbol	Sirt1
NCBI Official Synonym Symbols	Sir2; Sir2a; SIR2L1; AA673258; Sir2alpha
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-1; mSIR2a; sir2-like 1; SIR2-like protein 1; regulatory protein SIR2 homolog 1; NAD-dependent deacetylase sirtuin-1; sirtuin 1 ((silent mating type information regulation 2, homolog) 1
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-1
UniProt Gene Name	**Sirt1**
UniProt Synonym Gene Names	Sir2l1; Sir2; mSIR2a; 75SirT1
UniProt Entry Name	SIR1_MOUSE

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/sirt1-mouse-elisa-kits/sirtuin-silent-mating-type-information-regulation-2-homolog-1-s-cerevisiae/80867