

Mouse Sirtuin 2 (SIRT2) ELISA Kit | SIRT2 elisa kit

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CATALOG #
AAA68696

REACTIVITY
Mouse

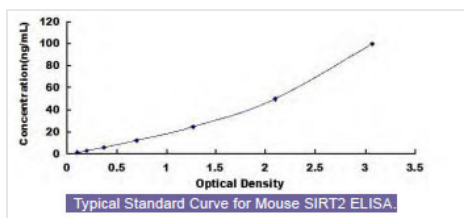
PRODUCT SYNONYMS

Sirtuin 2 (SIRT2); Mouse Sirtuin 2 (SIRT2) ELISA Kit; SIR2L; SIR2-L; SIR2L2; Silent Information Regulator 2 Protein; NAD-Dependent Deacetylase Sirtuin-2; Silent Mating Type Information Regulation 2 Homolog; SIRT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of SIRT2. No significant cross-reactivity or interference between SIRT2 and analogues was observed.
Sequence Length	352
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	<0.61ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SIRT2 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 SIRT2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SIRT2 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SIRT2 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SIRT2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SIRT2. 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 SIRT2, 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 SIRT2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	170650632
NCBI GeneID	64383
NCBI Accession #	NP_001116237.1
NCBI GenBank Nucleotide #	NM_001122765.1
UniProt Accession #	Q8VDQ8; Q9CXS5; Q9EQ18; Q9ERJ9; E9PXF5; U5TP50
Molecular Weight	35,678 Da
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-2 isoform 2
NCBI Official Synonym Full Names	sirtuin 2
NCBI Official Symbol	Sirt2
NCBI Official Synonym Symbols	Sir2l; SIR2L2; 5730427M03Rik
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-2
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-2
UniProt Gene Name	Sirt2
UniProt Synonym Gene Names	Sir2l2; mSIR2L2

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-2-sirt2/68696>