

Rat Sirtuin 1 (SIRT1) CLIA Kit | SIRT1 clia kit

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CATALOG #
AAA130073

REACTIVITY
Rat

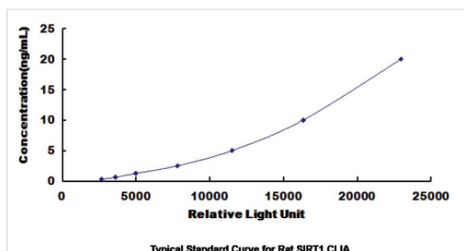
PRODUCT SYNONYMS

Sirtuin 1 (SIRT1); Rat Sirtuin 1 (SIRT1) CLIA Kit; SIR2L1; Silent Mating Type Information Regulation 2 Homolog 1; NAD-Dependent Deacetylase Sirtuin-1; SIR2-like protein 1; SirtT1 75 kDa fragment; SIRT1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Sirtuin 1 (SIRT1). No significant cross-reactivity or interference between Sirtuin 1 (SIRT1) and analogues was observed.
Sequence Length	420
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	27.4-20,000pg/mL
Sensitivity	10.5pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Sirtuin 1 (SIRT1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Sirtuin 1 (SIRT1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 SIRT1 clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Sirtuin 1 (SIRT1). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Sirtuin 1 (SIRT1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Sirtuin 1 (SIRT1) level in the sample or standard.;
Product Categories/Family for SIRT1 clia kit	Endocrinology

NCBI AND UNIPROT INFORMATION

NCBI GI #	385880783
NCBI GeneID	23411
UniProt Accession #	Q96EB6; Q2XNF6; Q5JVVQ0; Q9GZR9; Q9Y6F0
Molecular Weight	61,066 Da
NCBI Official Full Name	sirtuin 1, partial
NCBI Official Synonym Full Names	sirtuin 1
NCBI Official Symbol	SIRT1
NCBI Official Synonym Symbols	SIR2; hSIR2; SIR2L1
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-1
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-1
UniProt Gene Name	SIRT1
UniProt Synonym Gene Names	SIR2L1; hSIRT1; hSIR2; 75SirT1
UniProt Entry Name	SIR1_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/rat-clia-kits/sirtuin-1-sirt1/130073>