

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

Rat NAD-dependent protein deacetylase sirtuin-1, SIRT1 ELISA Kit

CATALOG # AAA80981	REACTIVITY Rat
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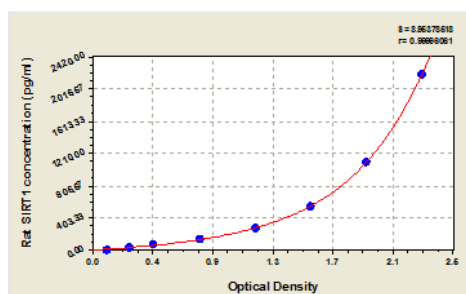
PRODUCT SYNONYMS

sirtuin (silent mating type information regulation 2 homolog) 1 (*S. cerevisiae*); Rat NAD-dependent protein deacetylase sirtuin-1; SIRT1 ELISA Kit; Rat NAD-dependent protein 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	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat SIRT1. No significant cross-reactivity or interference between rat SIRT1 and analogues was observed.
Sequence Length	737
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	34.3 pg/ml-2200 pg/ml.
Sensitivity	The minimum detectable dose of rat SIRT1 is typically less than 8.5 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
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 SIRT1 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for SIRT1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SIRT1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SIRT1 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 SIRT1 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 #	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-rat-elisa-kits/sirtuin-silent-mating-type-information-regulation-2-homolog-1-s-cerevisiae/80981>