

Rat Sirtuin 1 (SIRT1) RTU ELISA Kit | SIRT1 rtu elisa kit

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CATALOG #
AAA218429

REACTIVITY
Rat

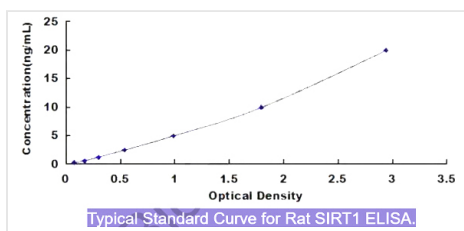
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of SIRT1. No significant cross-reactivity or interference between SIRT1 and analogues was observed.
Sequence Length	350
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.118ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SIRT1 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 SIRT1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SIRT1 rtu elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SIRT1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SIRT1. 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 SIRT1, 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 SIRT1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SIRT1 in rat tissue homogenates, cell lysates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56605812
NCBI GeneID	361532
NCBI Accession #	NP_001008369.1
NCBI GenBank Nucleotide #	NM_001008368.1
UniProt Accession #	Q5RJQ4
Molecular Weight	39,319 Da
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-2
NCBI Official Synonym Full Names	sirtuin 2
NCBI Official Symbol	Sirt2
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

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.