

Rat Sirtuin 7 (SIRT7) ELISA Kit | SIRT7 elisa kit

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CATALOG #
AAA148651

REACTIVITY
Rat

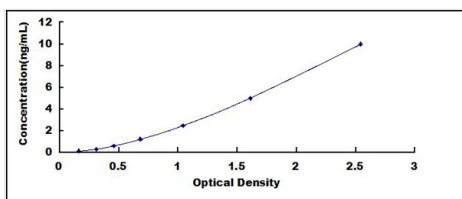
PRODUCT SYNONYMS

Sirtuin 7 (SIRT7); Rat Sirtuin 7 (SIRT7) ELISA Kit; SIR2L7; NAD-Dependent Deacetylase Sirtuin-7; Silent Mating Type Information Regulation 2 Homolog 7; Regulatory protein SIR2 homolog 7; SIR2-like protein 7; SIRT7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Sirtuin 7 (SIRT7). No significant cross-reactivity or interference between Sirtuin 7 (SIRT7) and analogues was observed.
Sequence Length	402
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Sirtuin 7 (SIRT7) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Sirtuin 7 (SIRT7) 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 SIRT7 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Sirtuin 7 (SIRT7). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Sirtuin 7 (SIRT7). 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 Sirtuin 7 (SIRT7), 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 Sirtuin 7 (SIRT7) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for SIRT7 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	157818983
NCBI GeneID	303745
NCBI Accession #	NP_001100543.1
NCBI GenBank Nucleotide #	NM_001107073.1
UniProt Accession #	B2RZ55; F1LQY4
Molecular Weight	45,113 Da
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-7
NCBI Official Synonym Full Names	sirtuin 7
NCBI Official Symbol	Sirt7
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-7
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-7
UniProt Gene Name	Sirt7

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.