

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

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CATALOG #
AAA138052

REACTIVITY
Human

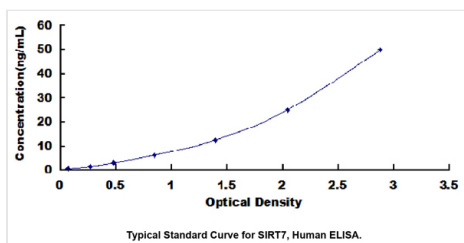
PRODUCT SYNONYMS

Sirtuin 7 (SIRT7); Human 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SIRT7. No significant cross-reactivity or interference between SIRT7 and analogues was observed.
Sequence Length	393
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	< 0.27ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SIRT7 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 SIRT7 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SIRT7. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to 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 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 SIRT7 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 in vitro quantitative measurement of SIRT7 in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for SIRT7 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	62751385
NCBI GeneID	548532
NCBI Accession #	NP_001015815.1
NCBI GenBank Nucleotide #	NM_001015815.2
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-7
NCBI Official Synonym Full Names	sirtuin 7
NCBI Official Symbol	sirt7
NCBI Official Synonym Symbols	sir217
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-7

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.