

Human Sirtuin 6 (SIRT6) ELISA Kit | SIRT6 elisa kit

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CATALOG #
AAA186726

REACTIVITY
Human

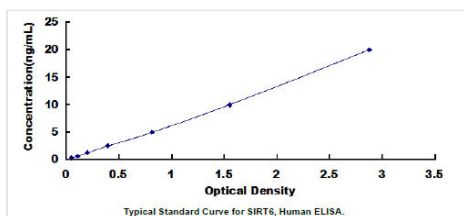
PRODUCT SYNONYMS

Sirtuin 6 (SIRT6); Human Sirtuin 6 (SIRT6) ELISA Kit; SIR2L6; Silent Mating Type Information Regulation 2 Homolog 6; Mono-ADP-Ribosyltransferase Sirtuin-6; Regulatory protein SIR2 homolog 6; SIR2-like protein 6; SIRT6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SIRT6. No significant cross-reactivity or interference between SIRT6 and analogues was observed.
Sequence Length	331
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	< 0.117ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SIRT6 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 SIRT6 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 SIRT6 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SIRT6 in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SIRT6. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to SIRT6. 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 SIRT6, 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 SIRT6 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
References	SGLT2 breast expression could affect the cardiovascular performance in pre-menopausal women with fatty vs. non fatty breast via over-inflammation and sirtuins" down regulation; Eur J Intern Med; 2023 Apr 14;S0953-6205(23)00124-3.; PMID: 37062642; Celestino Sardu; Department of Advanced Medical and Surgical Sciences, University of Campania "Luigi Vanvitelli", Piazza Miraglia, 2, Naples 80138, Italy;

NCBI AND UNIPROT INFORMATION

NCBI GI #	148238219
NCBI GeneID	444018
NCBI Accession #	NP_001085592.1
NCBI GenBank Nucleotide #	NM_001092123.1
NCBI Official Full Name	sirtuin 6 S homeolog
NCBI Official Synonym Full Names	sirtuin 6 S homeolog
NCBI Official Symbol	sirt6.S
NCBI Official Synonym Symbols	sirt6
NCBI Protein Information	sirtuin 6 S homeolog

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.