

Human Sirtuin 5 (SIRT5) ELISA Kit | SIRT5 elisa kit

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CATALOG #
AAA186725

REACTIVITY
Human

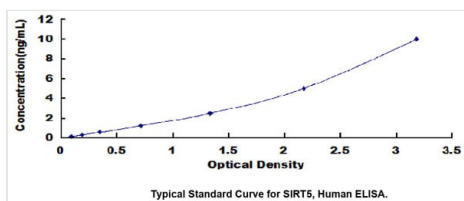
PRODUCT SYNONYMS

Sirtuin 5 (SIRT5); Human Sirtuin 5 (SIRT5) ELISA Kit; SIR2L5; Silent Mating Type Information Regulation 2 Homolog 5; NAD-dependent protein deacetylase sirtuin-5; mitochondrial; Regulatory protein SIR2 homolog 5; SIR2-like protein 5; SIRT5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SIRT5. No significant cross-reactivity or interference between SIRT5 and analogues was observed.
Sequence Length	299
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SIRT5 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 SIRT5 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 SIRT5 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SIRT5. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to SIRT5. 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 SIRT5, 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 SIRT5 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 SIRT5 in human tissue homogenates, cell lysates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	299747307
NCBI GeneID	6013501
NCBI Accession #	XP_001836947.2
NCBI GenBank Nucleotide #	XM_001836895.2
Molecular Weight	31,969 Da
NCBI Official Full Name	sirtuin 5
NCBI Official Symbol	CC1G_00083
NCBI Protein Information	sirtuin 5
UniProt Protein Name	NAD-dependent protein deacylase
UniProt Gene Name	CC1G_00083

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.