

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

Mouse Sirtuin 7 (SIRT7) ELISA Kit

CATALOG #
AAA219802

REACTIVITY
Mouse

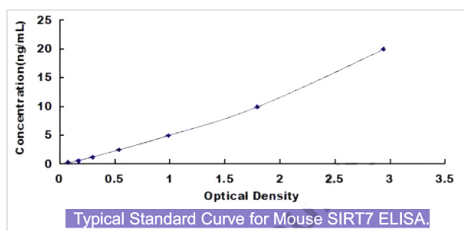
PRODUCT SYNONYMS

Sirtuin 7 (SIRT7); Mouse 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	Mouse
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.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.122ng/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	Shelf Life: 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SIRT7 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SIRT7. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation 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 the in vitro quantitative measurement of SIRT7 in mouse tissue homogenates, cell lysates, cell culture supernates or other biological fluids.
Product Categories/Family for SIRT7 elisa kit	Traditional ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	16878203
NCBI GeneID	51547
UniProt Accession #	Q8BKJ9; Q3MIK4; Q9NSZ6; Q9NUS6; A8K2K0; B3KSU8; Q9NRC8
Molecular Weight	35,851 Da
NCBI Official Full Name	Sirtuin (silent mating type information regulation 2 homolog) 7 (S. cerevisiae)
NCBI Official Synonym Full Names	sirtuin 7
NCBI Official Symbol	SIRT7
NCBI Official Synonym Symbols	SIR2L7
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-7
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-7
UniProt Gene Name	SIRT7
UniProt Synonym Gene Names	SIR2L7
UniProt Entry Name	SIR7_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/sirtuin-7-sirt7/219802>