

Mouse Sirtuin 3 (SIRT3) ELISA Kit | SIRT3 elisa kit

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CATALOG #
AAA68174

REACTIVITY
Mouse

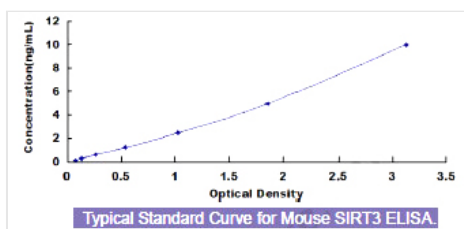
PRODUCT SYNONYMS

Sirtuin 3 (SIRT3); Mouse Sirtuin 3 (SIRT3) ELISA Kit; SIRT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of SIRT3. No significant cross-reactivity or interference between SIRT3 and analogues was observed.
Sequence Length	257
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
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 SIRT3 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 SIRT3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SIRT3 elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SIRT3 in mouse tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SIRT3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SIRT3. 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 SIRT3, 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 SIRT3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	188219522
NCBI GeneID	64384
NCBI Accession #	NP_001120823.1
NCBI GenBank Nucleotide #	NM_001127351.1
UniProt Accession #	Q8R104; Q9EPA8; B9W0A9; C6ZII7
Molecular Weight	28,822 Da
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-3 isoform 1
NCBI Official Synonym Full Names	sirtuin 3
NCBI Official Symbol	Sirt3
NCBI Official Synonym Symbols	Sir2l3; AI848213; 2310003L23Rik
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-3
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-3
UniProt Gene Name	Sirt3
UniProt Synonym Gene Names	Sir2l3; mSIR2L3

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.