

Rat SIRT1 ELISA Kit | SIRT1 elisa kit

Rat SIRT1 (NAD-dependent protein deacetylase sirtuin-1) ELISA Kit

CATALOG #
AAA165938

REACTIVITY
Rat

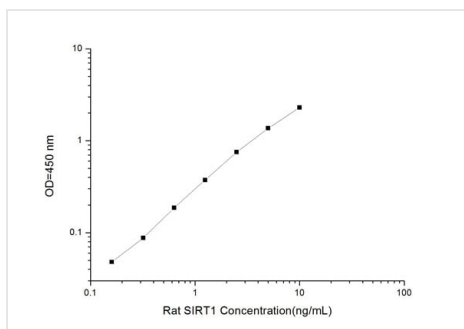
PRODUCT SYNONYMS

SIRT1; Rat SIRT1 (NAD-dependent protein deacetylase sirtuin-1) ELISA Kit; SIRT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes natural and recombinant Rat SIRT1. No significant cross-reactivity or interference between Rat SIRT1 and analogues was observed.
Sequence Length	555
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	Min: 0.094ng/mL; Max: 10ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SIRT1 elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat SIRT1 concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to SIRT1. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for SIRT1 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain SIRT1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of SIRT1. You can calculate the concentration of SIRT1 in the samples by comparing the OD of the samples to the standard curve.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	15214730
NCBI GeneID	23411
Molecular Weight	61,066 Da
NCBI Official Full Name	SIRT1 protein
NCBI Official Synonym Full Names	sirtuin 1
NCBI Official Symbol	SIRT1
NCBI Official Synonym Symbols	SIR2L1
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-1; NAD-dependent deacetylase sirtuin-1; SIR2-like protein 1; SIR2alpha; hSIR2; hSIRT1; regulatory protein SIR2 homolog 1; sir2-like 1; sirtuin type 1
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-1
UniProt Gene Name	SIRT1
UniProt Synonym Gene Names	SIR2L1; hSIRT1; hSIR2; 75Sir1
UniProt Entry Name	SIR1_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.