

Bovine SIRTUIN-1 ELISA Kit | SIRTUIN-1 elisa kit

Bovine SIRTUIN-1 ELISA Kit

CATALOG #
AAA247529

REACTIVITY
Bovine

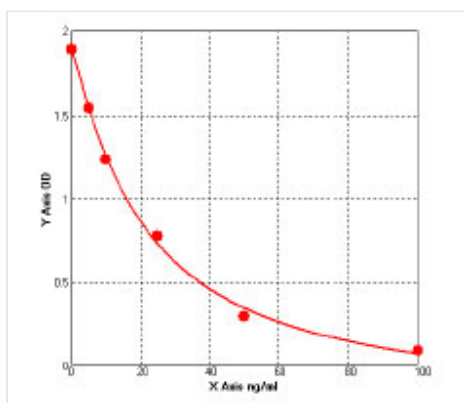
PRODUCT SYNONYMS

SIRTUIN-1; Bovine SIRTUIN-1 ELISA Kit; SIRTUIN-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of SIRT1. No significant cross-reactivity or interference between SIRT1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SIRT1 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	473
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store at 2-8 degree C. 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SIRTUIN-1 elisa kit	Intended Uses: This SIRT1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine SIRT1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: SIRT1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-SIRT1 antibody and an SIRT1-HRP conjugate. The assay sample and buffer are incubated together with SIRT1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SIRT1 concentration since SIRT1 from samples and SIRT1-HRP conjugate compete for the anti-SIRT1 antibody binding site. Since the number of sites is limited, as more sites are occupied by SIRT1 from the sample, fewer sites are left to bind SIRT1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SIRT1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for SIRTUIN-1 elisa kit	Epigenetics and Nuclear Signaling; Tags & Cell Markers; Metabolism; Cell Biology; Microbiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	15240574
NCBI GeneID	835670
NCBI Accession #	NP_200387.1
NCBI GenBank Nucleotide #	NM_124958.3
UniProt Accession #	Q9FE17; Q7Y032
Molecular Weight	52,642 Da
NCBI Official Full Name	sirtuin 1
NCBI Official Symbol	SRT1
NCBI Official Synonym Symbols	sirtuin 1
NCBI Protein Information	sirtuin 1
UniProt Protein Name	NAD-dependent protein deacetylase SRT1
UniProt Gene Name	SRT1

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/bovine-ovine-elisa-kits/sirtuin-1/247529>