

## Human NAD-dependent deacetylase sirtuin-1 ELISA Kit | SIRT1O elisa kit

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CATALOG #  
**AAA56497**

REACTIVITY  
**Human**

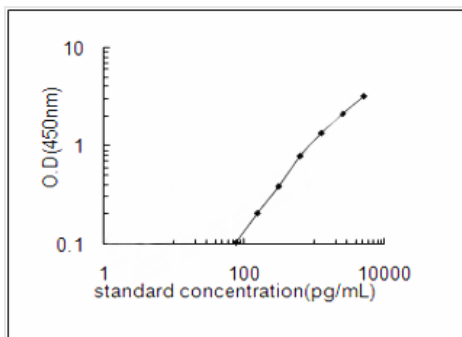
### PRODUCT SYNONYMS

NAD-dependent deacetylase sirtuin-1; Human NAD-dependent deacetylase sirtuin-1 ELISA Kit; SIRT1O elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                     |
|-------------------------|---------------------------------------------------------------------|
| Reactivity              | Human                                                               |
| Sequence Length         | 452                                                                 |
| Assay Type              | Sandwich                                                            |
| Detection Range         | 78-5000 pg/mL                                                       |
| Sensitivity             | 32pg/mL                                                             |
| Intra-Assay CV          | <=4.3%                                                              |
| Inter-Assay CV          | <=7.2%                                                              |
| Recovery                | 85%                                                                 |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for SIRT1O elisa kit | <p>Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| NCBI GI #                        | 215982798                                             |
| NCBI GeneID                      | 23411                                                 |
| NCBI Accession #                 | NP_001135970.1                                        |
| NCBI GenBank Nucleotide #        | NM_001142498.1                                        |
| UniProt Accession #              | Q96EB6; Q2XNF6; Q5JVQ0; Q9GZR9; Q9Y6F0                |
| Molecular Weight                 | 61,066 Da                                             |
| NCBI Official Full Name          | NAD-dependent protein deacetylase sirtuin-1 isoform b |
| NCBI Official Synonym Full Names | sirtuin 1                                             |
| NCBI Official Symbol             | SIRT1                                                 |
| NCBI Official Synonym Symbols    | SIR2; SIR2L1; SIR2alpha                               |
| NCBI Protein Information         | NAD-dependent protein deacetylase sirtuin-1           |
| UniProt Protein Name             | NAD-dependent protein deacetylase sirtuin-1           |
| UniProt Gene Name                | SIRT1                                                 |
| UniProt Synonym Gene Names       | SIR2L1; hSIRT1; hSIR2; 75SirT1                        |
| 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.

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Online datasheet: <https://stage.aaabiotech.com/sirt1o-human-elisa-kits/nad-dependent-deacetylase-sirtuin-1/56497>