

## Mouse SOD1 ELISA Kit | SOD1 elisa kit

Mouse SOD1 (Superoxide Dismutase 1, Soluble) ELISA Kit

CATALOG #  
**AAA164861**

REACTIVITY  
**Mouse**

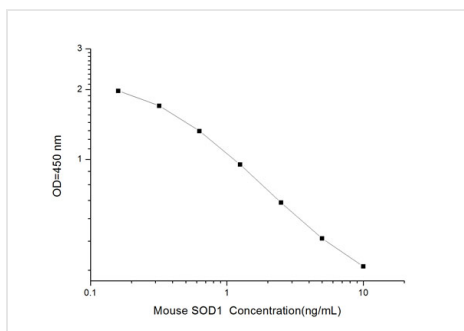
### PRODUCT SYNONYMS

SOD1; Mouse SOD1 (Superoxide Dismutase 1; Soluble) ELISA Kit; SOD1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                         |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Mouse SOD1. No significant cross-reactivity or interference between Mouse SOD1 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Mouse SOD1 and all the analogues, therefore, cross reaction may still exist. |
| Sequence Length         | 154                                                                                                                                                                                                                                                                                                                                                                                           |
| Samples                 | Serum, Plasma, Biological Fluids                                                                                                                                                                                                                                                                                                                                                              |
| Assay Type              | Competitive                                                                                                                                                                                                                                                                                                                                                                                   |
| 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

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Related Product Information for SOD1 elisa kit | <p><b>Description:</b> The kit is a competitive enzyme immunoassay for in vitro quantitative measurement of SOD1 in Mouse serum, plasma and other biological fluids</p> <p><b>Principle of the Assay:</b> This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with Mouse SOD1. During the reaction, Mouse SOD1 in the sample or standard competes with a fixed amount of Mouse SOD1 on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Mouse SOD1. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. 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 Mouse SOD1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                             |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4507149                                                                                                                                                                                     |
| NCBI GeneID                      | 6647                                                                                                                                                                                        |
| NCBI Accession #                 | NP_000445.1                                                                                                                                                                                 |
| NCBI GenBank Nucleotide #        | NM_000454.4                                                                                                                                                                                 |
| UniProt Accession #              | P00441; Q16669; Q16711; Q16838; Q16839; Q16840; Q6NR85; A6NHJ0; D3DSE4                                                                                                                      |
| Molecular Weight                 | 15,936 Da                                                                                                                                                                                   |
| NCBI Official Full Name          | superoxide dismutase                                                                                                                                                                        |
| NCBI Official Synonym Full Names | superoxide dismutase 1, soluble                                                                                                                                                             |
| NCBI Official Symbol             | SOD1                                                                                                                                                                                        |
| NCBI Official Synonym Symbols    | ALS; SOD; ALS1; IPOA; hSod1; HEL-S-44; homodimer                                                                                                                                            |
| NCBI Protein Information         | superoxide dismutase [Cu-Zn]; superoxide dismutase [Cu-Zn]; Cu/Zn superoxide dismutase; SOD, soluble; epididymis secretory protein Li 44; indophenoxidase A; superoxide dismutase, cystolic |
| UniProt Protein Name             | Superoxide dismutase [Cu-Zn]                                                                                                                                                                |
| UniProt Gene Name                | SOD1                                                                                                                                                                                        |
| UniProt Synonym Gene Names       | hSod1                                                                                                                                                                                       |
| UniProt Entry Name               | SODC_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.