

## Mouse Sclerostin ELISA Kit | SOST elisa kit

Mouse Sclerostin ELISA Kit

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| CATALOG #<br><b>AAA105666</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

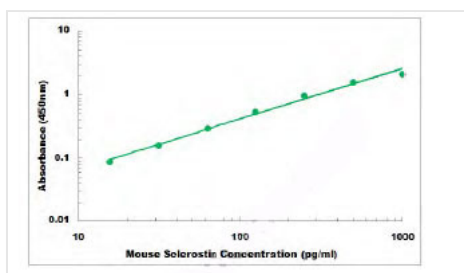
### PRODUCT SYNONYMS

Sclerostin; Mouse Sclerostin ELISA Kit; SOST elisa kit

### PRODUCT SPECIFICATIONS

|                                            |                                                                                                                                                                                                      |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                 | Mouse                                                                                                                                                                                                |
| Specificity                                | The Mouse Sclerostin ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse Sclerostin proteins within the range of 15.6 pg/ml - 1000 pg/ml. |
| Sequence Length                            | 211                                                                                                                                                                                                  |
| Samples                                    | Cell Culture Supernatants, Serum, Plasma.                                                                                                                                                            |
| Sensitivity                                | 10 pg/ml.                                                                                                                                                                                            |
| Applicable Applications for SOST elisa kit | ELISA (Sandwich ELISA)                                                                                                                                                                               |
| Preparation and Storage                    | Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.                                                                                          |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Related Product Information for SOST elisa kit | <p>Principle of the Assay: The Mouse Sclerostin ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse Sclerostin in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Mouse Sclerostin coated on a 96-well plate. Standards and samples are pipetted into the wells and Sclerostin present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse Sclerostin antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Sclerostin bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.</p> <p>Background: Sclerostin is a protein that in humans is encoded by the SOST gene. Sclerostin is a secreted glycoprotein with a C-terminal cysteine knot-like (CTCK) domain and sequence similarity to the DAN (differential screening-selected gene aberrative in neuroblastoma) family of bone morphogenetic protein (BMP) antagonists. Sclerostin is produced by the osteocyte and has anti-anabolic effects on bone formation. The SOST gene maps to chromosome 17q12-q21</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                |
|----------------------------------|----------------|
| NCBI GI #                        | 567316045      |
| NCBI GeneID                      | 74499          |
| NCBI Accession #                 | NP_077769.4    |
| NCBI GenBank Nucleotide #        | NM_024449.6    |
| UniProt Accession #              | Q99P68; Q9D3L7 |
| Molecular Weight                 | 23,443 Da      |
| NCBI Official Full Name          | sclerostin     |
| NCBI Official Synonym Full Names | sclerostin     |
| NCBI Official Symbol             | Sost           |
| NCBI Official Synonym Symbols    | 5430411E23Rik  |
| NCBI Protein Information         | sclerostin     |
| UniProt Protein Name             | Sclerostin     |
| UniProt Gene Name                | Sost           |
| UniProt Entry Name               | SOST_MOUSE     |

**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.