

## Mouse Sclerostin/SOST ELISA Kit | SOST elisa kit

Mouse Sclerostin/SOST PicoKine ELISA Kit

CATALOG #  
**AAA45974**

REACTIVITY  
**Mouse**

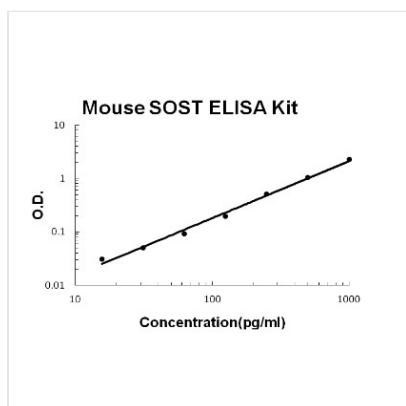
### PRODUCT SYNONYMS

Sclerostin/SOST; Mouse Sclerostin/SOST PicoKine ELISA Kit; Sclerostin; sclerostin; BEER; CDD; Cortical hyperostosis with syndactyly; Sclerosteosis; SOST; SOST\_HUMAN; UNQ2976/PRO7455/PRO7476; VBCH; SOST elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                 |
| Specificity             | Natural and recombinant mouse Sclerostin                                                                                                              |
| Sequence Length         | 211                                                                                                                                                   |
| Samples                 | Cell culture supernates, serum and plasma (heparin, EDTA)                                                                                             |
| Assay Type              | Sandwich                                                                                                                                              |
| Detection Range         | 15.6pg/ml-1000pg/ml                                                                                                                                   |
| Sensitivity             | < 10pg/ml                                                                                                                                             |
| Intra-assay Precision   | Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.      |
| Inter-assay Precision   | Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. |
| Preparation and Storage | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)                            |

### IMAGES



Standard Curve (Sample)

Mouse Sclerostin/SOST PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for SOST elisa kit | <p><b>Principle of the assay:</b> mouse Sclerostin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for Sclerostin has been precoated onto 96-well plates. Standards(NSO, Q24-Y211) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Sclerostin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse Sclerostin amount of sample captured in plate.</p> <p><b>Background:</b> 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 #                        | 20140197       |
| NCBI GeneID                      | 74499          |
| 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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/sclerostin-sost/45974>