

Rat Sclerostin ELISA Kit | SOST elisa kit

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CATALOG #
AAA263169

REACTIVITY
Rat

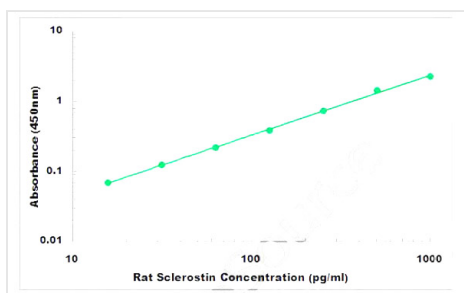
PRODUCT SYNONYMS

Sclerostin; Rat Sclerostin ELISA Kit; SOST elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat Sclerostin ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat Sclerostin proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	213
Samples	Cell culture supernates, serum, plasma
Sensitivity	< 10 pg/ml
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

Related Product Information for SOST elisa kit

Principle of the Assay: The AAA Biotech' Rat Sclerostin ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat Sclerostin in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Rat 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-Rat 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.

Background/Introduction: Sclerostin is a protein that in humans is encoded by the SOST gene. It 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. Additionally, Sclerostin is produced by the osteocyte and has anti-anabolic effects on bone formation. The SOST gene maps to chromosome 17q12-q21.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13399334
NCBI GeneID	80722
NCBI Accession #	NP_085073.1
NCBI GenBank Nucleotide #	NM_030584.1
UniProt Accession #	Q99P67
Molecular Weight	23,974 Da
NCBI Official Full Name	sclerostin
NCBI Official Synonym Full Names	sclerostin
NCBI Official Symbol	Sost
NCBI Protein Information	sclerostin
UniProt Protein Name	Sclerostin
UniProt Gene Name	Sost
UniProt Entry Name	SOST_RAT

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://www.aaabiotech.com/sost-rat-elisa-kits/sclerostin/263169>