

Rat Sclerostin/SOST ELISA Kit | SOST elisa kit

Rat Sclerostin/SOST PicoKine ELISA Kit

CATALOG #
AAA46789

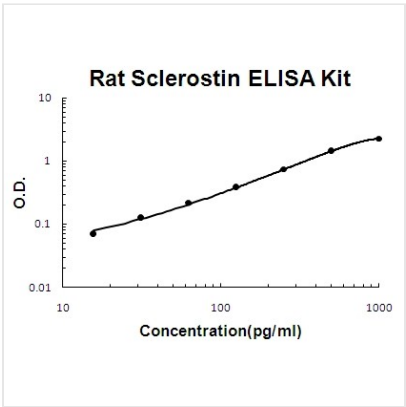
REACTIVITY
Rat

PRODUCT SYNONYMS

Sclerostin/SOST; Rat Sclerostin/SOST PicoKine ELISA Kit; Q9BQB4; Sclerostin; SOST; SOST elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat Sclerostin
Sequence Length	213
Assay Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/ml
Anticoagulant	heparin or EDTA
TMB incubation time	15-20
Immunogen	NSO, F29-Y213
Sample Data	Concentration(pg/ml): 0 15.6 31.2 62.5 125 250 500 1000 O.D.: 0.028 0.069 0.125 0.215 0.381 0.729 1.433 2.243
Intra/Inter Assay Precision	Sample: 1 2 3 1 2 3 n: 16 16 16 24 24 24 Mean(pg/ml): 40.2 130 528 47.3 142 641 Standard Deviation: 1.65 6.11 27.98 2.60 10.08 41.02 CV(%): 4.1 4.7 5.3 5.5 7.1 6.4
Assay Procedure Step 1	Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.3pg/ml, 15.6pg/ml rat Sclerostin standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of rat cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each rat Sclerostin standard solution and each sample be measured in duplicate.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Rat Sclerostin/SOST PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for SOST elisa kit	For quantitative detection of rat Sclerostin in cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA). Background: 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. Principle: Rat Sclerostin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from Mouse specific for Sclerostin has been precoated onto 96-well plates. Standards (Expression system for standard: NSO, Immunogen sequence: F29-Y213) 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 Rat Sclerostin amount of sample captured in plate.
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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

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/rat-elisa-kits/sclerostin-sost/46789>