

Human Sclerostin/SOST ELISA Kit | SOST elisa kit

Human Sclerostin/SOST PicoKine ELISA Kit

CATALOG #
AAA46763

REACTIVITY
Human

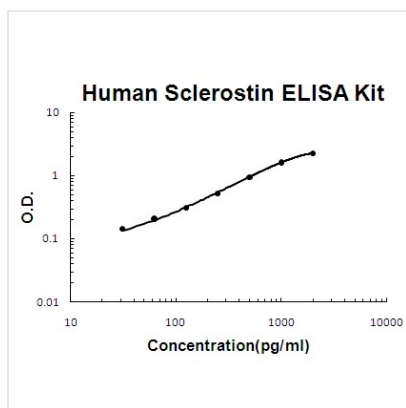
PRODUCT SYNONYMS

Sclerostin/SOST; Human Sclerostin/SOST PicoKine ELISA Kit; BEER; CDD; DAND6; Sclerosteosis; Sclerostin; Sost; SOST1; UNQ2976/PRO7455/PRO7476; VBCH; Q9BQB4; SOST elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human Sclerostin/SOST
Sequence Length	213
Samples	Cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA)
Assay Type	Quantitative Sandwich
Detection Range	31.2pg/ml-2000pg/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.

IMAGES



Standard Curve (Sample)

Human Sclerostin/SOST PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for SOST elisa kit	Principle of the Assay: The Human Sclerostin/SOST ELISA Kit was based on standard sandwich enzyme-linked immunosorbent assay technology. A monoclonal antibody from mouse specific for Sclerostin/SOST has been precoated onto 96-well plates. Standards(Expression system for standard: NSO, Immunogen sequence: Q24-Y213) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Sclerostin/SOST 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 Human Sclerostin/SOST amount of sample captured in plate. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13376846
NCBI GeneID	50964
NCBI Accession #	NP_079513.1
NCBI GenBank Nucleotide #	NM_025237.2
UniProt Accession #	Q9BQB4; Q495N9
Molecular Weight	24,264 Da
NCBI Official Full Name	sclerostin
NCBI Official Synonym Full Names	sclerostin
NCBI Official Symbol	SOST
NCBI Official Synonym Symbols	CDD; VBCH; DAND6; SOST1
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://stage.aaabiotech.com/human-elisa-kits/sclerostin-sost/46763>