

Human Sclerostin ELISA Kit | SOST elisa kit

Human Sclerostin (SOST) (Sandwich ELISA) Mini sample ELISA Kit

CATALOG #
AAA189936

REACTIVITY
Human

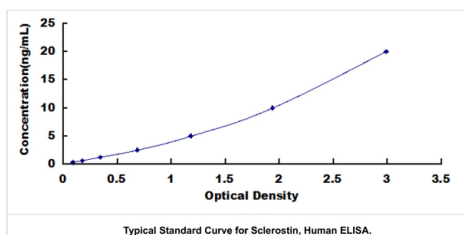
PRODUCT SYNONYMS

Sclerostin; Human Sclerostin (SOST) (Sandwich ELISA) Mini sample ELISA Kit; VBCH; Sclerosteosis; Mini Samples ELISA Kit for Sclerostin (SOST); SOST elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of sclerostin. No significant cross-reactivity or interference between sclerostin and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.124ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level sclerostin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level sclerostin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SOST elisa kit

Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to sclerostin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to sclerostin. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain sclerostin, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of sclerostin in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of sclerostin in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

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	24,031 Da
NCBI Official Full Name	sclerostin
NCBI Official Synonym Full Names	sclerostin
NCBI Official Symbol	SOST
NCBI Official Synonym Symbols	CDD; VBCH
NCBI Protein Information	sclerostin
UniProt Protein Name	Sclerostin
UniProt Gene Name	SOST
UniProt Entry Name	SOST_HUMAN

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.