Mouse Sclerostin ELISA Kit | SOST elisa kit

Mouse Sclerostin ELISA Kit

CATALOG #	REACTIVITY
AAA86668	**Mouse**

PRODUCT SYNONYMS

Sclerostin; Mouse Sclerostin ELISA Kit; SOST elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This SOST ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of mouse SOST. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SOST elisa kit	**Principle of the Assay:** SOST ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SOST antibody and an SOST-HRP conjugate. The assay sample and buffer are incubated together with SOST-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SOST concentration since SOST from samples and SOST-HRP conjugate compete for the anti-SOST antibody binding site. Since the number of sites is limited, as more sites are occupied by SOST from the sample, fewer sites are left to bind SOST-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SOST concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13161020
NCBI GeneID	50964
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; SOST1
NCBI Protein Information	sclerostin
UniProt Protein Name	Sclerostin
UniProt Gene Name	**SOST**
UniProt Synonym Gene Names	UNQ2976/PRO7455/PRO7476
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/sost-mouse-elisa-kits/sclerostin/86668