ARG81962
Rat Sclerostin ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81962-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81962-002	Standard	2 X 10 ng/vial	4°C
ARG81962-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81962-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81962-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81962-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81962-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81962-008	25X Wash buffer	20 ml	4°C
ARG81962-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81962-010	STOP solution	10 ml (Ready to use)	4°C
ARG81962-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81962 Rat Sclerostin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat Sclerostin in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Sclerostin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.3%; Inter-Assay CV: 5.7%
Alternate Names	CDD; SOST1; Sclerostin; VBCH

Application Instructions

Assay Time	~ 5 hours

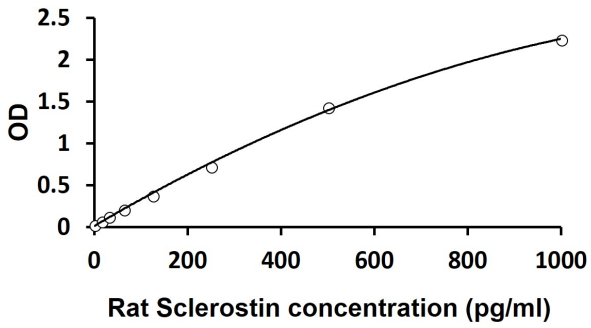
Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SOST
Gene Full Name	sclerostin
Background	Sclerostin 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. Loss-of-function mutations in this gene are associated with an autosomal-recessive disorder, sclerosteosis, which causes progressive bone overgrowth. A deletion downstream of this gene, which causes reduced sclerostin expression, is associated with a milder form of the disorder called van Buchem disease. [provided by RefSeq, Jul 2008]
Function	Negative regulator of bone growth that acts through inhibition of Wnt signaling and bone formation. [UniProt]
Highlight	Related products: Sclerostin ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81962 Rat Sclerostin ELISA Kit standard curve image

ARG81962 Rat Sclerostin ELISA Kit results of a typical standard run with optical density reading at 450 nm.