

Product Information

Recombinant Anti-Human SOST Antibody

Cat. No.: **MOM-18115**

This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Humanized (from mouse) Antibody is specific to Human SOST, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

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.

Specific Activity

Tested positive against native antigen.

Target

SOST

Immunogen

The details of the immunogen for this antibody are not available.

Source

Humanized (from mouse)

Species Reactivity

Human

Type

Humanized (from mouse) IgG4 - kappa

Expression Host

CHO

Predicted N terminal

H chain: QVQLVQS; L Chain: DIQMTQS

Purity

>95.0% as determined by analysis by RP-HPLC.

Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF, WB and most other immunological methods.

Storage

Store at -20°C for long-term storage. Store at 2-8°C for up to one month. Avoid freeze/thaw cycles.

ANTIGEN GENE INFORMATION

Gene Name

[SOST sclerostin \[Homo sapiens \]](#)

Official Symbol

SOST

Synonyms

SOST; sclerostin; sclerosteosis; VBCH;

Gene ID

[50964](#)

mRNA Refseq

[NM_025237](#)

Protein Refseq

[NP_079513](#)

MIM

[605740](#)

UniProt ID

Q9BQB4

Chromosome Location

17q12-q21

Function

heparin binding; protein binding; transcription factor binding;