



# Anti-SOST monoclonal antibody, clone 330020 [Biotin] (DCABY-4285)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	SOST, also known as sclerostin, is a member of the Cerberus/DAN family of BMP antagonists, a group of secreted glycoproteins characterized by a cysteine-knot motif. SOST is expressed by osteoclasts in developing bones of mouse embryos, including both intramembranously forming skull bones and endochondrally forming long bones.
<b>Specificity</b>	Detects human SOST/Sclerostin in ELISAs. In sandwich immunoassays, 30% cross-reactivity with recombinant mouse SOST is observed and no cross-reactivity or interference with recombinant human BMP-2, -4, -5, -6, or -7 was observed.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human SOST/Sclerostin. Gln24-Tyr213 Accession Number Q9BQB4
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	330020
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Conjugate</b>	Biotin
<b>Applications</b>	ELISA Detection (Matched Pair)
<b>Format</b>	Liquid
<b>Size</b>	250 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.

<b>Preservative</b>	None
<b>Storage</b>	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 °C as supplied.</p> <p>1 month, 2 to 8 °C under sterile conditions after reconstitution.</p> <p>6 months, -20 to -70 °C under sterile conditions after reconstitution.</p>

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">SOST sclerostin [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	SOST
<b>Synonyms</b>	SOST; sclerostin; CDD; VBCH; SOST1;
<b>Entrez Gene ID</b>	<a href="#">50964</a>
<b>Protein Refseq</b>	<a href="#">NP_079513</a>
<b>UniProt ID</b>	Q9BQB4
<b>Chromosome Location</b>	17q11.2
<b>Pathway</b>	Signal Transduction; Signaling by Wnt; TCF dependent signaling in response to WNT; Wnt signaling pathway; negative regulation of TCF-dependent signaling by WNT ligand antagonists;
<b>Function</b>	heparin binding; protein binding; transcription factor binding;