

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SOST/Sclerostin in ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse SOST is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 220902
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human SOST/Sclerostin Gln24-Tyr213 Accession # Q9BQB4
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Human SOST/Sclerostin (Catalog # 1406-ST)
Human SOST Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Human SOST/Sclerostin Antibody (Catalog # MAB1406)
ELISA Detection	0.5-2.0 µg/mL	Human SOST/Sclerostin Biotinylated Antibody (Catalog # BAM14061)
Standard		Recombinant Human SOST/Sclerostin (Catalog # 1406-ST)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

SOST, also known as sclerostin, belongs to the Cerberus/DAN family of secreted glycoproteins. SOST binds BMP-5, -6, and -7 with high affinity and BMP-2 and -4 with low affinity and functions in bone homeostasis as a BMP antagonist.