

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human DSPG3 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 15% cross-reactivity with recombinant mouse DSPG3 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human DSPG3 Met1-Val322 Accession # Q99645
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 either lyophilized or 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	0.1 µg/mL	Recombinant Human DSPG3

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 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. ● 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

DSPG3, also known as proteoglycan-Lb and Epiphygan, is a 95 - 100 kDa member of the class III subfamily within the SLRP (small leucine-rich proteoglycan) family. The secreted 303 aa mature segment contains multiple sites for O-linked glycanation, and seven leucine-rich repeats, flanked by N- and C-terminal cysteine-rich regions. Human DSPG3 shares 96%, 95%, 85% and 84% aa sequence identity with canine, bovine, rat and mouse DSPG3, respectively. DSPG3 is principally a component of cartilage.