Mouse DSPG3 Antibody

Monoclonal Rat IgG_{2B} Clone # 340908

Catalog Number: MAB2875

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse DSPG3 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 50% cross-reactivity with recombinant human DSPG3 is observed.
Source	Monoclonal Rat IgG_{2B} Clone # 340908
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse DSPG3 Ala20-Ile322 Accession # P70186
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	1 µg/mL	Recombinant Mouse DSPG3

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.** ● 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 Epiphycan, 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 glycation, 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.

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