Mouse DSPG3 Alexa Fluor® 488-conjugated Antibody

Monoclonal Rat IgG_{2B} Clone # 340908

Catalog Number: FAB2875G

100 µg

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
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

PRODUCT SPECIFIC NOTICES

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