

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse BMP-15/GDF-9B in direct ELISAs. In this format, no cross-reactivity with recombinant human BMP1.1, 2, 3, 3b, 4, 5, 6, 7, 8, 9, 10, 15, recombinant mouse BMP-3, 3b, 4, 5, 6, 7, 8b, 9, or 10 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 582703
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse BMP-15/GDF-9B Gln268-Arg392 Accession # Q9Z0L4
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.

Immunohistochemistry 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

Bone morphogenetic protein 15 (BMP-15), also known as GDF-9B, is a member of the TGF-β superfamily. Mature BMP-15 has three intrachain disulfide bands that form a cysteine-knot fold. It is secreted as a 34 kDa non-disulfide-linked homodimer and as a 37 kDa nondisulfide heterodimer with GDF-9. BMP-15 is a product of oocytes and promotes granulosa cell proliferation and stem cell factor secretion. Mature mouse BMP-15 shares 44% aa sequence identity with mature mouse GDF-9. It also shares 70% and 78% aa sequence identity with human and sheep BMP-15, respectively.

PRODUCT SPECIFIC NOTICES

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