

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat GDF-8 in direct ELISAs and Western blots. In Western blots, this antibody shows approximately 30% cross-reactivity with recombinant human/mouse/rat GDF-11. In direct ELISAs, this antibody shows less than 1
Source	Monoclonal Rat IgG _{2B} Clone # 84214
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse GDF-8 Asn25-Ser376 Accession # O08689
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 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

GDF-8, also known as Myostatin, belongs to the TGF-β superfamily. It is synthesized as an inactive proprotein with the N-terminal pro-region and the C-terminal mature bioactive region. The GDF-8 proregion is capable of associating with active GDF-8 with high affinity and is a potent GDF-8 antagonist.

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