

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse GDF-1 Propeptide in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with mature recombinant mouse (rm) GDF-1 and rmGDF-3 Propeptide is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse GDF-1 Propeptide Pro25-Leu235 Accession # P20863
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.

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

Mouse GDF-1 Propeptide is a 26 kDa, secreted monomeric glycopeptide. It is synthesized as part of a 357 amino acid (aa) precursor that contains a 23 aa signal sequence, a 214 aa Propeptide and a 120 aa mature molecule. Following secretion, the proregion is presumably proteolytically cleaved from the mature molecule at an Arg-Arg dibasic residue motif. The amino acid sequence of mouse GDF-1 Propeptide is 65% and 78% identical to that of human and rat GDF-1 Propeptide, respectively.

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