

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse GDF-1 Propeptide in Western blots. In Western blots, 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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

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	0.1 µg/mL	Recombinant Mouse GDF-1 Propeptide

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 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

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.