

Product datasheet for **PP1120P1**

Igf1 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	Neutralization: To yield one half-maximal inhibition [ND50] of the biological activity of mIGF-I (200 ng/ml), a concentration of 12-14 µg/ml of this antibody is required. Indirect ELISA: To detect Murine IGF-I by indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant mIGF-I. Sandwich ELISA: To detect Murine IGF-I by Sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Murine IGF-I (PP1120B) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Murine IGF-I. Western Blot: To detect Murine IGF-I by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Murine IGF-I is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Immunogen:	E.coli derived highly pure (> 98%) recombinant Murine IGF-I.
Specificity:	Reacts with Insulin-like Growth Factor I (IGF-I).
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody prior to reconstitution at -20°C for one year. Following reconstitution the antibody can be stored at 2-8°C for 2 weeks. Avoid repeated freezing and thawing.



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Gene Name: insulin-like growth factor 1

Database Link: [Entrez Gene 16000 Mouse P05017](#)

Background: Insulin is a pancreatic hormone that regulates glucose uptake and the synthesis of protein and fat. The insulin like growth factors, isolated from plasma, are structurally and functionally related to insulin but have a much higher growth promoting activity. IGF1 (Insulin Like Growth Factor I) is a polypeptide growth factor, which stimulates the proliferation of a wide range of cell types including muscle, bone, and cartilage tissue. IGF1 functions as an autocrine regulator of growth.

Synonyms: IGF-I, IBP1, Somatomedin

Note: Centrifuge vial prior to opening!