

Product datasheet for **DM3556P**

Igf1 Hamster Monoclonal Antibody [Clone ID: 2F54]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2F54
Applications:	WB
Recommended Dilution:	Western Blot: 1/500-1/1000.
Reactivity:	Mouse
Host:	Hamster
Isotype:	IgG2
Clonality:	Monoclonal
Immunogen:	Mouse Recombinant protein of IGF-1
Specificity:	This antibody detects IGF-1. No cross activity to other IGFs.
Formulation:	PBS State: Purified State: Lyophilized purified Ig fraction from Culture Supernatant Stabilizer: None
Reconstitution Method:	Restore with 0.2 ml sterile PBS and the final concentration is 0.5 mg/ml.
Purification:	Affinity Chromatography on Protein A/G
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	insulin-like growth factor 1
Database Link:	<u>Entrez Gene 16000 Mouse P05017</u>



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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