

Datasheet: OBT1090G

Description:	MOUSE ANTI HUMAN INSULIN-LIKE GROWTH FACTOR I
Specificity:	IGF-I
Other names:	INSULIN-LIKE GROWTH FACTOR I
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	M23
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	■			
Immunohistology - Paraffin	■			
ELISA			■	
Western Blotting			■	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Reacts with: Rabbit N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.1% Sodium Azide (NaN ₃)
Stabilisers	0.1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1mg/ml
External Database Links	UniProt: P05019 Related reagents

Entrez Gene:[3479](#) IGF1 [Related reagents](#)

Synonyms	IBP1
Specificity	Mouse anti Human insulin-like growth factor 1 antibody, clone M23 recognizes human IGF-1, also known as Mechano growth factor, Somatomedin-C or Insulin-like growth factor I. IGF-1 is a 195 amino acid ~ kDa secreted peptide bearing an N-terminal signal peptide and a propeptide together accounting for the N-terminal 48 amino acid residues. There is a second C-terminal propeptide region, known as the 'E-peptide', also cleaved during processing to yield the 70 amino acid active secreted IGF-1 peptide. IGF-1 is functionally related to insulin but with a higher growth-promoting activity. Mouse anti Human insulin-like growth factor 1 antibody, clone M23 has not been cross-adsorbed and may react with similar peptides from related species.
References	1. Morrell, D.J. <i>et al.</i> (1989) A monoclonal antibody to human insulin-like growth factor-I: characterization, use in radioimmunoassay and effect on the biological activities of the growth factor. J Mol Endocrinol. 2 (3): 201-6. 2. Lyras, D.N. <i>et al.</i> (2010) Experimental study of tendon healing early phase: is IGF-1 expression influenced by platelet rich plasma gel? Orthop Traumatol Surg Res. 96: 381-7. 3. Lyras, D.N. <i>et al.</i> (2011) Does a single application of PRP alter the expression of IGF-I in the early phase of tendon healing? J Foot Ankle Surg. 50: 276-82.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10304 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10304.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Human Anti Mouse IgG1 (HCA036...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®549](#),
[DyLight®649](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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Printed on 07 Sep 2017

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