

Datasheet: OBT1090G

BATCH NUMBER 170302

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	<p>Reacts with: Rabbit</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
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	<p>UniProt: P05019 Related reagents</p> <p>Entrez Gene: 3479 IGF1 Related reagents</p>
Synonyms	IBP1
RRID	AB_620169
Specificity	<p>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.</p> <p>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.</p>
References	<ol style="list-style-type: none"> 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	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/OBT1090G 10041</p>

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

North & South Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: 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

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M369298:200529'

Printed on 12 Aug 2023