

Datasheet: PMP44

BATCH NUMBER 164842

Description:	RECOMBINANT MOUSE INSULIN-LIKE GROWTH FACTOR I
Name:	IGF-I
Other names:	INSULIN-LIKE GROWTH FACTOR I
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	10 µg

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
ELISA	▪			0.2 - 0.4ng/well
Western Blotting	▪			1.5 - 3.0ng/lane
Functional Assays	▪			0.1 - 1.0ng/ml

Where this protein 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 antibody for use in their own system using appropriate positive/negative controls.

Target Species

Mouse

Product Form

Purified recombinant protein - lyophilized

Reconstitution

Reconstitute with 10 ul distilled water

Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended. N.B. For functional studies do not add sodium azide

Source

E.coli

Preservative Stabilisers

None present

Carrier Free

Yes

Endotoxin Level	< 0.1 ng/ug
Approx. Protein Concentrations	1.0 mg/ml after reconstitution
External Database Links	<p>UniProt: P05017 Related reagents</p> <p>Entrez Gene: 16000 Igf1 Related reagents</p>
Synonyms	Igf-1
Product Information	<p>Recombinant Mouse anti insulin-like growth factor I is an <i>E. coli</i>-derived recombinant protein corresponding to full-length mature murine insulin-like growth factor 1 (IGF-1), a 70 amino acid peptide that is structurally and functionally related to insulin but with higher growth-promoting activities.</p> <p>Recombinant mouse IGF-1 has an ED₅₀ of <2.0ng/ml as determined by a cell proliferation assay using FDC-P1 cells.</p>
Protein Molecular Weight	7.6kD (70 amino acid sequence)
Purity	>97% by SDS PAGE and HPLC
ELISA	PMP44 may be used as a standard in either an indirect ELISA with AAM30 .
Storage	<p>Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.
Health And Safety Information	<p>Material Safety Datasheet documentation #10268 available at: https://www.bio-rad-antibodies.com/SDS/PMP44 10268</p>
Regulatory	For research purposes only

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

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