

Datasheet: PMP44

BATCH NUMBER 161298

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	<p>Reconstitute with 10 ul distilled water</p> <p>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.</p> <p>N.B. For functional studies do not add sodium azide</p>
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

UniProt:
[P05017](#) [Related reagents](#)

Entrez Gene:
[16000](#) Igf1 [Related reagents](#)

Synonyms Igf-1

Product Information **Recombinant Mouse anti insulin-like growth factor I** is an *E. coli*-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.

Recombinant mouse IGF-1 has an ED₅₀ of <2.0ng/ml as determined by a cell proliferation assay using FDC-P1 cells.

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 Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.

This product should be stored undiluted.

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.

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 Material Safety Datasheet documentation #10268 available at:
<https://www.bio-rad-antibodies.com/SDS/PMP44>
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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](https://www.bio-rad-antibodies.com/datasheets)
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