

Datasheet: PMP40

Description:	RECOMBINANT MOUSE INTERLEUKIN-12
Name:	IL-12
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	▪			1.0ng/ml - 10.0ng/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 product for use in their own system using appropriate positive/negative controls.

Target Species	Mouse
Product Form	Purified recombinant protein - lyophilised
Reconstitution	Reconstitute with 0.1ml sterile PBS containing 0.1% bovine serum albumin 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.
Preparation	Recombinant protein expressed in CHO cells.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Endotoxin Level	<0.1 ng/ug
Approx. Protein Concentrations	0.1 mg/ml after reconstitution.

**External Database
Links**

UniProt:

[P43431](#) [Related reagents](#)
[P43432](#) [Related reagents](#)

Entrez Gene:

[16159](#) IL12a [Related reagents](#)
[16160](#) IL12b [Related reagents](#)

Product Information	Recombinant mouse IL-12 is a 70.5kDa heterodimeric glycoprotein consisting of disulfide-linked p35 and p40 subunits. IL-12 is a potent regulator of cell-mediated immune responses. It induces production of interferon gamma in natural killer and T-cells.
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Protein Molecular Weight	75kD (35kDa and 40kDa subunits) - 506 amino acid residues
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Activity	1 x 10 ⁷ units/mg
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Purity	>98% by SDS PAGE + HPLC analysis
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ELISA	Recombinant mouse IL-12 may be used as the standard in ELISA application with either a purified mouse IL-12 antibody (AAM33) or a biotinylated mouse IL-12 antibody (AAM33B).
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Western Blotting	Recombinant mouse IL-12 may be used as a positive control for Western Blotting applications with either a purified mouse IL-12 antibody (AAM33) or a biotinylated mouse IL-12 antibody (AAM33B).
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Storage	Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.
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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	3 months from date of reconstitution.
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Please see label for expiry date.

Health And Safety Information	Material Safety Datasheet documentation #10527 available at: 10527: https://www.bio-rad-antibodies.com/uploads/MSDS/10527.pdf
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Regulatory	For research purposes only
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From March 15, 2021, we will no longer supply printed datasheets with our products.

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