

Datasheet: PMP43A

BATCH NUMBER 155897

Description:	RECOMBINANT MOUSE INTERFERON GAMMA
Name:	IFN GAMMA
Other names:	INTERFERON GAMMA
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	20 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 product for use in their own system using appropriate positive/negative controls.

Target Species	Mouse
Product Form	Purified recombinant protein - lyophilised
Reconstitution	Reconstitute with 20ul water. For extended storage the addition of 0.1% BSA is recommended. 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 <i>Escherichia coli</i>
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes

Endotoxin Level < 0.1 ng/ug

Approx. Protein Concentrations Total protein concentration 1.0mg/ml after reconstitution

External Database Links

UniProt:
[P01580](#) [Related reagents](#)

Entrez Gene:
[15978](#) Ifng [Related reagents](#)

Product Information **Recombinant mouse interferon gamma** is an *E. coli*-derived recombinant protein corresponding to full-length mature murine interferon gamma, a regulatory cytokine, which is produced by activated natural killer cells and certain T-lymphocytes.

Protein Molecular Weight 15.6kD (134 amino acid sequence)

Activity >5 x 10⁶ units/mg as determined by ability to inhibit the proliferation of murine WEHI-279 cells.

Purity >98% by SDS PAGE and HPLC

ELISA PMP43A may be used as a standard in ELISA applications with [AAM29](#)

Western Blotting PMP43A may be used as a positive control in Western blotting applications with [AAM29](#)

References

1. Zhang, H. *et al.* (2011) Matrix metalloproteinase-9 and stromal cell-derived factor-1 act synergistically to support migration of blood-borne monocytes into the injured spinal cord. [J Neurosci. 31: 15894-903.](#)
 2. Wimmer, N. *et al.* (2012) Lymphotoxin β receptor activation on macrophages induces cross-tolerance to TLR4 and TLR9 ligands. [J Immunol. 188 \(7\): 3426-33.](#)
 3. Lam RS *et al.* (2016) Unprimed, M1 and M2 Macrophages Differentially Interact with Porphyromonas gingivalis. [PLoS One. 11 \(7\): e0158629.](#)
 4. Lestinaova, T. *et al.* (2015) *Phlebotomus papatasi* exposure cross-protects mice against *Leishmania major* co-inoculated with *Phlebotomus duboscqi* salivary gland homogenate. [Acta Trop. 144: 9-18.](#)
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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 #10527 available at:
<https://www.bio-rad-antibodies.com/SDS/PMP43A>
10527

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

[RABBIT ANTI MOUSE INTERFERON GAMMA \(AAM29\)](#)

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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)
'M373064:200818'

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