

Datasheet: PDP010

Description:	RECOMBINANT DOG INTERFERON GAMMA
Name:	IFN GAMMA
Other names:	IFNG
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	5 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	▪			
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	Dog
Product Form	Purified recombinant protein - lyophilized
Reconstitution	Reconstitute with 20 µl sterile PBS containing 0.1% carrier protein 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>Pichia pastoris</i> and purified by ion-exchange chromatography
Source	<i>Pichia pastoris</i>
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	10% Trehalose

**External Database
Links**

UniProt:

[P51742](#) [Related reagents](#)

Entrez Gene:

[403922](#) TNF [Related reagents](#)

Synonyms

TNFA, TNFSF2

Product Information

Recombinant Dog interferon gamma, (IFN γ), known previously as macrophage activating factor, belongs to the type II interferon family and is produced by T lymphocytes and NK cells.

Native dog interferon gamma is a 166 amino acid cytokine with potent activating, anti-viral and anti-proliferative properties.

IFN γ is predominantly secreted by activated T lymphocytes in response to specific mitogens as a result of infection and has numerous immunological regulatory functions. Properties include macrophage and NK cell activation, upregulation of MHC class I and II molecules on various cells and induction of cytotoxicity.

**Protein Molecular
Weight**

16.7 kDa

Purity

>95% by SDS PAGE analysis

ELISA

This reagent may be used as a standard in a sandwich ELISA assay in conjunction with [AHP2977](#) as a coating antibody and [AHP2977B](#) as a detection antibody.

Storage

Prior to reconstitution store at -20°C.
After reconstitution store at -20°C.
Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10591 available at:
10591: <https://www.bio-rad-antibodies.com/uploads/MSDS/10591.pdf>

Regulatory

For research purposes only

North & South America Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: 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](https://www.bio-rad-antibodies.com/datasheets)

'M415626:230113'

Printed on 17 Jan 2023
