

Datasheet: PHP050

Description:	RECOMBINANT HUMAN INTERFERON GAMMA
Name:	IFN GAMMA
Other names:	INTERFERON GAMMA
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	0.1 mg

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 - 10ng/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 reagent for use in their own system using appropriate positive/negative controls.

Target Species	Human
Product Form	Recombinant protein produced in <i>E. coli</i> - lyophilized.
Reconstitution	Reconstitute with 0.1 ml 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.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	< 0.1 ng/ug
Approx. Protein	Total protein concentration 1.0 mg/ml after reconstitution

Concentrations

External Database Links

UniProt:

[P01579](#) [Related reagents](#)

Entrez Gene:

[3458](#) IFNG [Related reagents](#)

Product Information IFN-gamma is a lymphoid factor with anti viral activity and macrophage and NK cell stimulating properties.

Protein Molecular Weight 16.7kD (143 Amino Acid Sequence)

Activity > 2 x 10⁷ units/mg

Purity >98% by SDS PAGE and HPLC

ELISA PHP050 may be used in ELISA applications with either [AHP775](#) or [AHP775B](#).

Western Blotting PHP050 may be used under reducing or non-reducing western blotting conditions with either [AHP775](#) or [AHP775B](#).

References

1. Grisar, J. *et al.* (2001) Phenotypic characteristics of human monocytes undergoing transendothelial migration. [Arthritis Res. 3 \(2\): 127-32.](#)
 2. Fros, J.J. *et al.* (2010) Chikungunya virus nonstructural protein 2 inhibits type I/II interferon-stimulated JAK-STAT signaling. [J Virol. 84 \(20\): 10877-87.](#)
 3. Hara, H. *et al.* (2011) Initial in vitro investigation of the human immune response to corneal cells from genetically engineered pigs. [Invest Ophthalmol Vis Sci. 52: 5278-86.](#)
 4. Wienken, C.J. *et al.* (2010) Protein-binding assays in biological liquids using microscale thermophoresis. [Nat Commun. 1: 100.](#)
 5. Bakmiwewa, S.M. *et al.* (2016) Synergistic induction of CXCL10 by interferon-gamma and lymphotoxin-alpha in astrocytes: Possible role in cerebral malaria. [Cytokine. 78: 79-86.](#)
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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 #10209 available at: 10209: <https://www.bio-rad-antibodies.com/uploads/MSDS/10209.pdf>

Related Products

Recommended Useful Reagents

[RABBIT ANTI HUMAN INTERFERON GAMMA \(AHP775\)](#)

[RABBIT ANTI HUMAN INTERFERON GAMMA:Biotin \(AHP775B\)](#)

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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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