

Datasheet: AHP775B

**BATCH NUMBER 166500**

<b>Description:</b>	RABBIT ANTI HUMAN INTERFERON GAMMA:Biotin
<b>Specificity:</b>	IFN GAMMA
<b>Other names:</b>	INTERFERON GAMMA
<b>Format:</b>	Biotin
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			0.25 - 1.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml

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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG conjugated to Biotin - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.5ml 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. For long term storage the addition of 0.09% sodium azide is recommended.

**Antiserum Preparation** Antisera to human IFN $\gamma$  were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml after reconstitution.
<b>Immunogen</b>	<a href="#">Recombinant human IFN<math>\gamma</math></a>
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01579</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3458</a>    IFNG    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_2123328
<b>Specificity</b>	<p><b>Rabbit anti Human Interferon gamma antibody</b> recognizes human IFN-gamma (Interferon-gamma), a 143 amino acid regulatory cytokine and member of the Type II interferon family. IFN-gamma is involved in the regulation of the immune and inflammatory responses and is secreted primarily by mitogen and antigen activated T lymphocytes and natural killer cells (NK).</p> <p>IFN-gamma is a multifunctional cytokine which signals through the IFN-gamma receptor (IFNGR), found on most immune cells. Properties of IFN-gamma include recruitment of leucocytes to sites of infection, inducement of MHC class I and II antigens, stimulation of anti-microbial and anti-tumour responses of macrophages, Nk cells and neutrophils, and has also been shown to potentiate the antiproliferative effects of IFN-alpha and IFN-beta.</p>
<b>ELISA</b>	This biotinylated human IFN $\gamma$ antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with our <a href="#">purified human IFN<math>\gamma</math> antibody</a> (AHP775) as the capture reagent and <a href="#">recombinant human IFN<math>\gamma</math></a> (PHP050) as the standard.
<b>Western Blotting</b>	This antibody may be used in Western Blotting under either reducing or non-reducing conditions with <a href="#">recombinant human IFN<math>\gamma</math></a> (PHP050) as the positive control.
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>1. Rinderknecht, E. <i>et al.</i> (1984) Natural human interferon-gamma. Complete amino acid sequence and determination of sites of glycosylation. <a href="#">J Biol Chem. 259 (11): 6790-7.</a></li> <li>2. Goldberg, M. <i>et al.</i> (1989) Regulation of macrophage growth and antiviral activity by interferon-gamma. <a href="#">J Cell Biol. 109 (3): 1331-40.</a></li> </ol>
<b>Storage</b>	<p>Prior to reconstitution store at -20°C.  After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. Storage in frost-free freezers is not</p>

recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10294 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP775B">https://www.bio-rad-antibodies.com/SDS/AHP775B</a> 10294
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Positive Controls

[RECOMBINANT HUMAN INTERFERON GAMMA \(PHP050\)](#)  
[RECOMBINANT HUMAN INTERFERON GAMMA \(PHP050A\)](#)

### Recommended Useful Reagents

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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://bio-rad-antibodies.com/datasheets)  
'M399151:220628'

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