

Datasheet: AHP775B

**BATCH NUMBER 171010**

<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 - lyophilised
<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.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml after reconstitution.
Immunogen	<a href="#">Recombinant human IFN<math>\gamma</math></a>
External Database Links	<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>
RRID	AB_2123328
Specificity	<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>
ELISA	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.
Western Blotting	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.
Further Reading	<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>
Storage	<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.

<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP775B">https://www.bio-rad-antibodies.com/SDS/AHP775B</a> 10162
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Positive Controls

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

### Recommended Useful Reagents

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

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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)  
'M372544:200706'

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