

## Datasheet: AHP775

<b>Description:</b>	RABBIT ANTI HUMAN INTERFERON GAMMA
<b>Specificity:</b>	IFN GAMMA
<b>Other names:</b>	INTERFERON GAMMA
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## Product Details

**RRID** AB\_609669

### 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 (1)	■			
ELISA	■			0.5 - 2.0ug/ml
Immunoprecipitation			■	
Western Blotting	■			0.1 - 0.2ug/ml
Immunofluorescence			■	
Functional Assays	■			0.04 - 0.06ug/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.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

**Target Species** Human

**Product Form** Purified IgG - lyophilised

**Reconstitution** Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. NB. For functional studies do not add azide.

**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

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/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>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 purified human IFN $\gamma$ antibody may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with our <a href="#">biotinylated human IFN<math>\gamma</math> antibody</a> (AHP775B) as the detection 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 +4°C.</p> <p>After reconstitution store at -20°C.</p> <p>Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Shelf Life</b>	12 months from date of reconstitution.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: 10162: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)   [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@549](#), [DyLight@649](#),  
[DyLight@680](#), [DyLight@800](#)  
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)

## Recommended Positive Controls

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

## Recommended Useful Reagents

[RABBIT ANTI HUMAN INTERFERON GAMMA:Biotin \(AHP775B\)](#)  
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)  
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)  
[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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