

Datasheet: AHP775

Description:	RABBIT ANTI HUMAN INTERFERON GAMMA
Specificity:	IFN GAMMA
Other names:	INTERFERON GAMMA
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
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
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 γ 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
Approx. Protein	IgG concentration 1.0mg/ml after reconstitution

Concentrations

Immunogen [Recombinant human IFN \$\gamma\$](#)

External Database Links

UniProt:

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

Entrez Gene:

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

Specificity

Rabbit anti Human Interferon gamma antibody 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).

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.

ELISA

This purified human IFN γ antibody may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with our [biotinylated human IFN \$\gamma\$ antibody](#) (AHP775B) as the detection reagent and [recombinant human IFN \$\gamma\$](#) (PHP050) as the standard.

Western Blotting

This antibody may be used in Western Blotting under either reducing or non-reducing conditions with [recombinant human IFN \$\gamma\$](#) (PHP050) as the positive control.

Further Reading

1. Rinderknecht, E. *et al.* (1984) Natural human interferon-gamma. Complete amino acid sequence and determination of sites of glycosylation. [J Biol Chem. 259 \(11\): 6790-7.](#)
 2. Goldberg, M. *et al.* (1989) Regulation of macrophage growth and antiviral activity by interferon-gamma. [J Cell Biol. 109 \(3\): 1331-40.](#)
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Storage

Prior to reconstitution store at +4°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 antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

12 months from date of reconstitution.

Health And Safety Information

Material Safety Datasheet documentation #10162 available at:
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

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

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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