

Datasheet: AHP775B

| | |
|----------------------|---|
| Description: | RABBIT ANTI HUMAN INTERFERON GAMMA:Biotin |
| Specificity: | IFN GAMMA |
| Other names: | INTERFERON GAMMA |
| Format: | Biotin |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 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.

| | 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.

| | |
|---------------------------------------|---|
| Target Species | Human |
| Product Form | Purified IgG conjugated to Biotin - lyophilised |
| Reconstitution | 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 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 Concentrations | IgG concentration 0.1 mg/ml after reconstitution. |

| | |
|--------------------------------------|---|
| Immunogen | Recombinant human IFNγ |
| External Database Links | <p>UniProt: P01579 Related reagents</p> <p>Entrez Gene: 3458 IFNG Related reagents</p> |
| Specificity | <p>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).</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 γ antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with our purified human IFNγ antibody (AHP775) as the capture reagent and recombinant human IFNγ (PHP050) as the standard. |
| Western Blotting | This antibody may be used in Western Blotting under either reducing or non-reducing conditions with recombinant human IFNγ (PHP050) as the positive control. |
| Further Reading | <ol style="list-style-type: none"> Rinderknecht, E. <i>et al.</i> (1984) Natural human interferon-gamma. Complete amino acid sequence and determination of sites of glycosylation. J Biol Chem. 259 (11): 6790-7. Goldberg, M. <i>et al.</i> (1989) Regulation of macrophage growth and antiviral activity by interferon-gamma. J Cell Biol. 109 (3): 1331-40. |
| Storage | <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> |
| 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 Positive Controls

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

Recommended Useful Reagents

RABBIT ANTI HUMAN INTERFERON GAMMA (AHP775)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

'M279516:160115'

Printed on 02 May 2018

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)