

Datasheet: MCA1431

**BATCH NUMBER 159362**

|                      |                                 |
|----------------------|---------------------------------|
| <b>Description:</b>  | RAT ANTI MOUSE INTERFERON ALPHA |
| <b>Specificity:</b>  | IFN ALPHA                       |
| <b>Other names:</b>  | INTERFERON ALPHA                |
| <b>Format:</b>       | Purified                        |
| <b>Product Type:</b> | Monoclonal Antibody             |
| <b>Clone:</b>        | F18                             |
| <b>Isotype:</b>      | IgG1                            |
| <b>Quantity:</b>     | 0.2 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](http://www.bio-rad-antibodies.com/protocols).

|                            | Yes | No | Not Determined | Suggested Dilution |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry             |     |    | ▪              |                    |
| Immunohistology - Frozen   | ▪   |    |                |                    |
| Immunohistology - Paraffin |     |    | ▪              |                    |
| ELISA                      |     |    | ▪              |                    |
| Immunoprecipitation        |     |    | ▪              |                    |
| Western Blotting           |     |    | ▪              |                    |
| Functional Assays          | ▪   |    |                |                    |

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

|                                 |   |
|---------------------------------|---|
| <b>Target Species</b>           | Mouse   |
| <b>Product Form</b>             | Purified IgG - liquid   |
| <b>Preparation</b>              | Purified IgG prepared by affinity chromatography on Protein G |
| <b>Buffer Solution</b>          | Phosphate buffered saline                                     |
| <b>Preservative Stabilisers</b> | 1% Bovine Serum Albumin                                       |

|                                       |  |
|---------------------------------------|--|
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.2 mg/ml  |
| <b>External Database Links</b>        | <b>UniProt:</b><br><a href="#">Q61718</a> <a href="#">Related reagents</a>   |
| <b>RRID</b>                           | AB_2125207   |
| <b>Specificity</b>                    | <b>Rat anti Mouse interferon alpha antibody, clone F18</b> recognizes most isoforms of natural and recombinant murine alpha interferon. It does not cross-react with murine beta or gamma interferon, nor with human alpha interferon.<br><br>Rat anti Mouse interferon alpha antibody, clone F18 exhibits neutralizing activity of approximately $6.25 \times 10^4$ neutralizing units/mg.  |
| <b>References</b>                     | <ol style="list-style-type: none"> <li>1. Cao, Z. <i>et al.</i> (2001) Interferon-inducible protein 10 induction and inhibition of angiogenesis <i>in vivo</i> by the antitumor agent 5,6-dimethylxanthenone-4-acetic acid (DMXAA). <a href="#">Cancer Res. 61 (4): 1517-21.</a></li> <li>2. Barchet, W. <i>et al.</i> (2002) Virus-induced interferon alpha production by a dendritic cell subset in the absence of feedback signaling <i>in vivo</i>. <a href="#">J Exp Med. 195: 507-16.</a></li> <li>3. Buhtoiarov, I.N. <i>et al.</i> (2007) Macrophages are essential for antitumour effects against weakly immunogenic murine tumours induced by class B CpG-oligodeoxynucleotides. <a href="#">Immunology. 120 (3): 412-23.</a></li> </ol> |
| <b>Storage</b>                        | <p>Store at -20°C only.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>  |
| <b>Guarantee</b>                      | 12 months from date of despatch  |
| <b>Health And Safety Information</b>  | Material Safety Datasheet documentation #10102 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1431">https://www.bio-rad-antibodies.com/SDS/MCA1431</a><br>10102  |
| <b>Regulatory</b>                     | For research purposes only   |

## Related Products

### Recommended Secondary Antibodies

|                                 |                             |
|---------------------------------|-----------------------------|
| Rabbit Anti Rat IgG (STAR16...) | <a href="#">DyLight@800</a> |
| Rabbit Anti Rat IgG (STAR17...) | <a href="#">FITC</a>        |
| Goat Anti Rat IgG (STAR72...)   | <a href="#">HRP</a>         |
| Goat Anti Rat IgG (STAR69...)   | <a href="#">FITC</a>        |

Goat Anti Rat IgG (STAR73...)

[RPE](#)

Rabbit Anti Rat IgG (STAR21...)

[HRP](#)

Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) [DyLight@550](#), [DyLight@650](#), [DyLight@800](#)

Goat Anti Rat IgG (STAR131...)

[Alk. Phos.](#), [Biotin](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto:antibody_sales_de@bio-rad.com)

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