

Datasheet: MCA1431

**BATCH NUMBER 170614**

<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> <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.  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> 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](#)

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