

Datasheet: MCA1431

Description:	RAT ANTI MOUSE INTERFERON ALPHA
Specificity:	IFN ALPHA
Other names:	INTERFERON ALPHA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	F18
Isotype:	IgG1
Quantity:	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.

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

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	Mouse
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	1% bovine serum albumin

Approx. Protein Concentrations	IgG concentration 0.2 mg/ml
External Database Links	UniProt: Q61718 Related reagents
RRID	AB_2125207
Specificity	Rat anti Mouse interferon alpha antibody, clone F18 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 6.25×10^4 neutralizing units/mg.
References	<ol style="list-style-type: none"> 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). Cancer Res. 61 (4): 1517-21. 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>. J Exp Med. 195: 507-16. 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. Immunology. 120 (3): 412-23.
Storage	Store at -20°C only. This product should be stored undiluted. 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.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10102 available at: https://www.bio-rad-antibodies.com/SDS/MCA1431 10102
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight@800
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR72...)	HRP
Goat Anti Rat IgG (STAR69...)	FITC
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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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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