

Datasheet: MCA1431

BATCH NUMBER 156677

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 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.

Target Species	Mouse
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G
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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