

Datasheet: MCA2412

**BATCH NUMBER 231111R**

<b>Description:</b>	MOUSE ANTI CHICKEN 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>	UMCh3-IFNa
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.5 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).

	<b>Yes</b>	<b>No</b>	<b>Not Determined</b>	<b>Suggested Dilution</b>
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Chicken
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide

<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	Recombinant chicken Interferon alpha.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P42165</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">396398</a> IFNA3    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_2122226
<b>Specificity</b>	<p><b>Mouse anti Chicken interferon alpha antibody, clone UMCh3-IFNa</b> recognizes chicken Interferon alpha (chIFN-alpha).</p> <p>The classification of mammalian cytokines with antiviral activity, is well documented as being either Type I Interferon (IFN1) or Type II Interferon (IFN2). This is not the case for avian IFNs however, even though IFN was first detected in the chicken.</p> <p>A growing number of functional studies indicate similarities between chicken IFN and mammalian IFN1, revealing the conservation of cysteine residues and the existence of around ten closely related intron-less IFN alpha genes. Further research has shown that chIFN-alpha genes are strongly expressed following viral infection of monocyte-derived macrophage and embryo fibroblasts and that recombinant chicken IFN acts as a potent antiviral agent.</p> <p>Mouse anti Chicken interferon alpha antibody, clone UMCh3-IFNa does not cross react with IFN beta or IFN gamma and does not neutralize chIFN-alpha.</p>
<b>Western Blotting</b>	MCA2412 detects a band of approximately 19 kDa.
<b>References</b>	<ol style="list-style-type: none"> <li>Sarmiento, L. <i>et al.</i> (2008) Differential host gene expression in cells infected with highly pathogenic H5N1 avian influenza viruses. <a href="#">Vet Immunol Immunopathol. 125 (3-4): 291-302.</a></li> <li>Schwarz, H. <i>et al.</i> (2004) Synthesis of IFN-beta by virus-infected chicken embryo cells demonstrated with specific antisera and a new bioassay. <a href="#">J Interferon Cytokine Res. 24 (3): 179-84.</a></li> </ol>
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>Staheli, P. <i>et al.</i> (2001) Cytokines of birds: conserved functions--a largely different look. <a href="#">J Interferon Cytokine Res. 21 (12): 993-1010.</a></li> <li>Sick, C. <i>et al.</i> (1996) A family of genes coding for two serologically distinct chicken interferons. <a href="#">J Biol Chem. 271 (13): 7635-9.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</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.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2412">https://www.bio-rad-antibodies.com/SDS/MCA2412</a> 10040
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>

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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](https://www.bio-rad-antibodies.com/datasheets)

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