

Datasheet: MCA2412

Description:	MOUSE ANTI CHICKEN INTERFERON ALPHA
Specificity:	IFN ALPHA
Other names:	INTERFERON ALPHA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	UMCh3-IFNa
Isotype:	IgG1
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
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.

Target Species	Chicken
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	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Recombinant chicken Interferon alpha.
External Database Links	UniProt:

Entrez Gene:

[396398](#) IFNA3 [Related reagents](#)

Specificity	Mouse anti Chicken interferon alpha antibody, clone UMCh3-IFNa recognizes chicken Interferon alpha (chIFN-alpha). The classification of mammalian cytokines with antiviral activity, is well documented as being either Type I Interferon (IFNα) or Type II Interferon (IFNβ). This is not the case for avian IFNs however, even though IFN was first detected in the chicken. A growing number of functional studies indicate similarities between chicken IFN and mammalian IFNα, 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. 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.
Western Blotting	MCA2412 detects a band of approximately 19 kDa.
References	1. Sarmento, L. <i>et al.</i> (2008) Differential host gene expression in cells infected with highly pathogenic H5N1 avian influenza viruses. Vet Immunol Immunopathol. 125 (3-4): 291-302. 2. 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. J Interferon Cytokine Res. 24 (3): 179-84.
Further Reading	1. Staeheli, P. <i>et al.</i> (2001) Cytokines of birds: conserved functions--a largely different look. J Interferon Cytokine Res. 21 (12): 993-1010. 2. Sick, C. <i>et al.</i> (1996) A family of genes coding for two serologically distinct chicken interferons. J Biol Chem. 271 (13): 7635-9.
Storage	Store at +4°C or at -20°C if preferred. 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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10040 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP

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