

Datasheet for ABIN2474115
anti-IFNA antibody



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3 Publications

Overview

Quantity:	0.5 mg
Target:	IFNA
Reactivity:	Chicken
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant chicken Interferon alpha.
Clone:	UMCh3-IFNa
Isotype:	IgG1
Specificity:	This antibody recognizes chicken Interferon alpha (chIFN-alpha). The classification of mammalian cytokines with antiviral activity, is well documented as being either Type I Interferon (IFNI) or Type II Interferon (IFNII). 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 IFNI, 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. This antibody does not cross react with IFN beta or IFN gamma and does not neutralize chIFN-alpha.
Characteristics:	Purified IgG

Product Details

Purification: Purified

Target Details

Target: IFNA

Alternative Name: IFN alpha ([IFNA Products](#))

Background: Synonyms: INTERFERON ALPHA

Gene ID: 396398

UniProt: [P42165](#)

Pathways: [JAK-STAT Signaling](#), [TLR Signaling](#), [Hepatitis C](#), [Inflammasome](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Publications

Product cited in: Sarmiento, Afonso, Estevez, Wasilenko, Pantin-Jackwood: "Differential host gene expression in cells infected with highly pathogenic H5N1 avian influenza viruses." in: **Veterinary immunology and immunopathology**, Vol. 125, Issue 3-4, pp. 291-302, (2008) ([PubMed](#)).

Schwarz, Harlin, Ohnemus, Kaspers, Staeheli: "Synthesis of IFN-beta by virus-infected chicken embryo cells demonstrated with specific antisera and a new bioassay." in: **Journal of interferon & cytokine research : the official journal of the International Society for Interferon and Cytokine Research**, Vol. 24, Issue 3, pp. 179-84, (2004) ([PubMed](#)).

Staeheli, Puehler, Schneider, Göbel, Kaspers: "Cytokines of birds: conserved functions--a largely different look." in: **Journal of interferon & cytokine research : the official journal of the International Society for Interferon and Cytokine Research**, Vol. 21, Issue 12, pp. 993-1010, (2002) ([PubMed](#)).

