

Product datasheet for **SP2126A**

Interferon alpha (IFN alpha) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, IP, WB
Recommended Dilution:	ELISA. Western Blot: This antibody cross reacts with IFN beta in western blots but does not show any cross reactivity with IFN gamma; this antibody detects a band of approximately 19kDa. Functional Assays. Immunoprecipitation.
Reactivity:	Chicken
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant chicken Interferon alpha.
Specificity:	This antibody recognizes Interferon alpha (chIFN-alpha). In bioassays, this antiserum neutralizes chIFN-alpha, but not chIFN-beta, and can therefore be used to discriminate IFN alpha and IFN beta bioactivities. Product SA027 is the immunogen used to produce this antibody.
Formulation:	PBS State: Azide Free State: Liquid purified IgG Stabilizer: None Preservative: None
Concentration:	lot specific
Purification:	Affinity chromatography on protein G
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

The classification of mammalian cytokines with antiviral activity, is well documented as being either Type I Interferon (IFN I) or Type II Interferon (IFN II). 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 IFN I, 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.

Synonyms:

B Cell Interferon, IFN-alpha, IFNA, Interferon-alpha, Leukocyte Interferon, Type I Interferon