

Product datasheet for **SM2217P**

Interferon alpha (IFN alpha) Mouse Monoclonal Antibody [Clone ID: UMCh3-IFN-a]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMCh3-IFN-a
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western Blot: this antibody detects a band of approximately 19 kDa.
Reactivity:	Chicken
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant chicken Interferon alpha.
Specificity:	This antibody recognizes Interferon alpha (chIFN-alpha). This antibody does not cross react with IFN beta or IFN gamma and does not neutralize chIFN-alpha.
Formulation:	PBS containing 0.09% Sodium Azide State: Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. 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