

Product datasheet for **AM32184PU-N**

Interferon alpha 2 (IFNA2) Mouse Monoclonal Antibody [Clone ID: N39]

Product data:

Product Type:	Primary Antibodies
Clone Name:	N39
Applications:	ELISA, FN, Neutralize, WB
Recommended Dilution:	ELISA. Western Blot. Immunohistochemistry on paraffin sections. N39 is one of many MoAbs described by Kontsek et al. (1991) directed against one of two immunodominant epitopes of IFN α (II), called site I. Its counterpart MoAb is N27 directed against a third "atypical" site. Site I is formed by the carboxyterminal domain residues 112-148. This site is responsible for the antiviral and antiproliferative activities. N39 and its counterpart N27 detecting different epitopes on IFN α (II) represent a good combination of antibodies to set up an ELISA assay for quantisation of interferon, e.g. after viral infections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	A BALB/c mouse was immunized with E-coli derived, purified recombinant IFN-alpha 2c and spleen cells were fused with mouse myeloma cells NS1.
Specificity:	This antibody reacts to IFN-alpha (II).
Formulation:	PBS State: Purified State: Liquid purified Ig fraction Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.



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Gene Name: interferon, alpha 2

Database Link: [Entrez Gene 3440 Human P01563](#)

Background: The alpha interferons are involved in virus resistance in target cells for these viruses. They are known to block cell proliferation and to regulate MHC class I antigen expression. The IFNalpha family has over .. genes and pseudogenes in two families (I and II), one with a mature length of 166aa and one of 172aa. Cells producing IFNalpha are lymphocytes, monocytes, macrophages and cell lines such as Namalwa and KGI. Bioassays for IFNalpha include cytopathic effect blocking, by viruses such as VSV, SFV and BMCV, on their target cells. A number of receptors for IFNalpha are now known and seem to be expressed on most cell types. N39 is specific for INFalpha(II) and does not crossreact with INFalpha(I).

Synonyms: Interferon alpha-A, LeIF A, IFN-alpha 2