Product datasheet

anti-Interferon alpha 2 mouse monoclonal, N27, purified

Short overview

Cat. No.	691711
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	N27
Immunogen	E. coli derived recombinant human IFN alpha 2c
Formulation	PBS with 0.02% sodium azide
UniprotID	P01563 (Human)
Synomym	Interferon alpha-2, IFN-alpha-2, Interferon alpha-A, LeIF A, IFNA2, IFNA2A, IFNA2B, IFNA2C
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	ELISA, IHC, WB
Reactivity	Human

Applications

ELISA	Assay dependent
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Western Blot (WB)	1:50-1:100 (1-2 µg/ml)

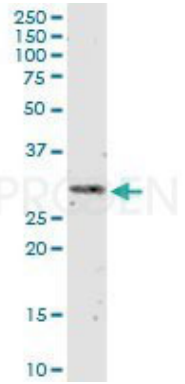
Background

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 IFN alpha family has over 20 genes and pseudogenes in two families (I and II), one with a mature length of 166aa and one of 172aa. Cells producing IFN alpha are lymphocytes, monocytes, macrophages and cell lines such as Namalwa and KGI. Bioassays for IFN alpha include cytopathic effect blocking, by viruses such as VSV, SFV and BMCV, on their target cells. A number of receptors for IFN alpha are now known and seem to be expressed on most cell types. N27 is specific for human IFN alpha 2 and does not cross react with human IFN alpha 1. N27 reacts with linear peptide 43aa-53aa, placing the epitope outside the immunodominant regions I and II.

Positive control: human IFN alpha 2, Namalwa and KGI cells.

Pair: N39

Product images



Western blot with Jurkat cells