

IFNA2

Mouse Anti-Human IFN-alpha 2 Clone N27 mAb

Catalog No.	MON5085	Quantity:	100 µg
Alternate Names:	RP11-354P17.2, IFNA, INFA2, MGC125764, MGC125765, interferon alpha-2, IeIF A, IFN-alpha-2, interferon alpha A, interferon alpha-A, alpha-2a interferon, interferon alpha 2b		
Description:	<p>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 IFNα family has pseudogenes in two families (I and II), one with a mature length of 166aa and one of 172aa. Cells producing IFNα are lymphocytes, monocytes, macrophages and cell lines such as Namalwa and KGI. Bioassays for IFNα include cytopathic effect blocking, by viruses such as VSV, SFV and BMCV, on their target cells. A number of receptors for IFNα are now known and seem to be expressed on most cell types. N27 is specific for IFNα(II) and does not crossreact with IFNα(I). Source: 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.</p>		
Gene ID:	3440		
Host:	Mouse		
Isotype:	IgG1-kappa		
Clone:	N27		
Formulation:	100 µg purified material in PBS with 0.05% sodium azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Applications:	<p>N27 is one of many MoAbs described by Kontsek et al. (1991) directed against a site different from the two immunodominant sites called I and II. As such it is against an "atypical" site of the molecule. Peptide mapping for N27 has been done by Kontsek et al. (1993) revealing that N27 reacts with linear peptide 43aa-53aa of the 172aa total for IFNα(II). Its counterpart is N39 against site I, i.e. 112aa-148aa. N27 and its counterpart N39 detecting different epitopes on IFNα(II) represent a good combination of antibodies to set up an ELISA assay for quantisation of interferon, e.g. after viral infections.</p>		
Storage & Stability:	Store antibody at 2-8°C until expiration date.		

frozen sections	paraffin sections	flow cytometry	ELISA	blocking	Western blotting
	-		+	+	+

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