Product datasheet MON5085



## Mouse anti-IFN-Alpha (II), clone N27 (Monoclonal)

Clone no. N27 MONOSAN

Product name Mouse anti-IFN-Alpha (II), clone N27 (Monoclonal)

**Host** Mouse

**Applications** ELISA, IHC-fr, WB

Species reactivity human

Conjugate -

Immunogen E.coli derived recombinant human IFNalpha2c

lsotype lgG1,kappa

**Clonality** Monoclonal

Clone number N27

Size 100 ug

Concentration 100 ug/ml

Format -

Storage buffer PBS with 0.02% sodium azide

Storage until expiry date 2-8°C

## FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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## Additional info

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.

## References

- 1. Kontsek, P. et al., Mol Immunol. 29: 863-870 (1992)
- 2 Kontsek, P. et al., Immunol. Lett. 35: 281-284 (1993)
- 3. -
- 4.
- 5. -

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