



IFN- ω (1PL11): sc-71318

BACKGROUND

The genes encoding type I interferons (IFNs), which include 14 IFN- α genes, one IFN- β gene, one IFN- ω (also known as IFN- α II1) gene and a number of IFN- ω pseudogenes, are clustered on human chromosome 9. IFN- α and - β are cytokines that are widely known to induce potent anti-viral activity. IFN- α and - β exert a variety of other biological effects, including antitumor and immunomodulatory activities, and are increasingly used clinically to treat a range of malignancies, myelodysplasias and autoimmune diseases. IFN- ω is antigenically different from human IFN- α , IFN- β or IFN- γ , but is a component of natural mixtures of IFN species produced by virus-induced leukocytes or Burkitt's lymphoma cells. The type I interferon receptor (IFN- α R) interacts with IFN- α , IFN- β and IFN- ω , and seems to be a multisubunit receptor.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: IFNW1 (human) mapping to 9p21.3.

SOURCE

IFN- ω (1PL11) is a mouse monoclonal antibody raised against IFN- ω of human origin.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PRODUCT

Each vial contains 100 μ g IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available azide-free for blocking of IFN- ω , sc-71318 L, 100 μ g/0.1 ml.

APPLICATIONS

IFN- ω (1PL11) is recommended for detection of IFN- ω of human origin by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for IFN- ω siRNA (h): sc-39609, IFN- ω shRNA Plasmid (h): sc-39609-SH and IFN- ω shRNA (h) Lentiviral Particles: sc-39609-V.

Molecular Weight of IFN- ω : 22 kDa.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.