

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IFN-β in direct ELISAs.
Source	Recombinant Monoclonal Mouse IgG ₁ Clone # 76703R
Purification	Protein A or G purified from cell culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human IFN-β Met22-Asn187 Accession # P01574
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Neutralization Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Interferon beta (IFN-β) is synthesized and secreted by fibroblasts and many other cell types in response to pathogens. IFN-β binding to type I interferon receptors induces the upregulation of IRF-7 and activation of RNase L. IRF-7 can exert a positive feedback on IFN-β production. RNase L cleaves both viral and cellular single stranded mRNA, thereby limiting viral replication and dissemination.

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