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12-9637: Anti-IFNA2 antibody(1B7), IgG1 Chimeric mAb

Clonality :	Monoclonal
Clone Name :	1B7
Reactivity :	Human
Gene :	IFNA2
Uniprot ID :	P01563
Alternative Name :	IFNA; IFNA2B; leIF A; IFN-alphaA; IFN-alpha-2
Isotype :	Rabbit/Human Fc chimeric IgG1

Description

This gene is a member of the alpha interferon gene cluster on chromosome 9. The encoded cytokine is a member of the type I interferon family that is produced in response to viral infection as a key part of the innate immune response with potent antiviral, antiproliferative and immunomodulatory properties. This cytokine, like other type I interferons, binds a plasma membrane receptor made of IFNAR1 and IFNAR2 that is ubiquitously expressed, and thus is able to act on virtually all body cells. The encoded protein is effective in reducing the symptoms and duration of the common cold and in treating many types of cancer, including some hematological malignancies and solid tumors. A deficiency of type I interferon in the blood is thought to be a hallmark of severe COVID-19 and may provide a rationale for a combined therapeutic approach. [provided by RefSeq, Aug 2020]

Product Info

Amount :	10µg / 100 µg
Purification :	Purified from cell culture supernatant by affinity chromatography
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 27% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage condition :	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C(Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Application Note

Flow Cyt 1/100

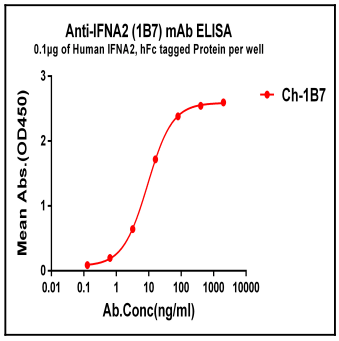

Figure 1. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Human IFNA2, hFc tagged protein can bind Rabbit anti-IFNA2 monoclonal antibody(clone: 1B7) in a linear range of 10-100 ng/ml.