

Human IFN- γ Antibody (21G2), mAb, Mouse

PRODUCT INFORMATION

Description

Interferon- γ (IFN- γ) is a pro-inflammatory cytokine that is central in host resistance to infection. It is mainly produced by natural killer cells and CD4+ and CD8+ T cells. Its receptors are found on nearly all cells, where it activates diverse responses that enable potential host cells to prevent invasive infection by bacteria, parasites, and viruses. Takayanagi et al. (2000) demonstrated that IFN- γ strongly suppresses osteoclastogenesis by interfering with the RANKL (602642)-RANK (603499) signaling pathway. Tsubota et al. (1999) reported that this upregulation in Sjogren syndrome patients may be controlled by interferon-gamma through the activation of transcription factor NF-KB.

Specificity

The product is specific for human IFN- γ . This antibody binds with recombinant IFN- γ protein in ELISA and Western blot assay. The antibody is recommended as a capture antibody in a Sandwich ELISA assay with detection antibody GenScript, A01897-40, Human IFN- γ Antibody (16F3) [Biotin], mAb, Mouse.

Concentration

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide. (It may be customized for bulk orders.)

Note

GenScript can customize this product per the customer's request including product size, buffer components, etc.

Reconstitution

Reconstitute the lyophilized antibody with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.

Storage

The lyophilized product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid repeated freezing and thawing cycles.

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentration may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA detection: 0.02-0.1 μ g/ml

Western blot: 1 μ g/ml

Other applications: user-optimized

Cat. No.: A01898-40

Host: Mouse

Size: 40 μ g

Ig Subclass: IgG1, κ

Clone: 21G2

Immunogen: Recombinant human IFN- γ

SwissProt: P01579

Entrez Gene ID: 3458

Purification: Protein A affinity column

Conjugation: Unconjugated

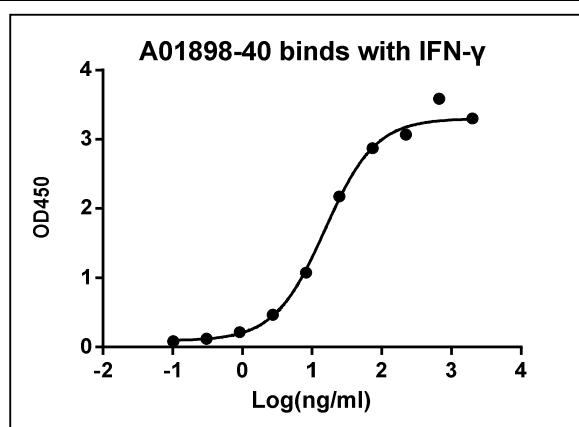
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Example



ELISA binding of **Human IFN- γ Antibody (21G2), mAb, Mouse** (GenScript, A01898-40) with Human IFN- γ recombinant protein,
 Coating antigen: Human IFN- γ recombinant protein, 1 μ g/ml,
 IFN- γ antibody dilution start from 1000 ng/ml,
 EC_{50} =15.36 ng/ml.

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