

Anti-IFN Gamma/Ifng Antibody Picoband®

Catalog Number: A00393-4

About Ifng

This gene encodes a soluble cytokine that is a member of the type II interferon class. The encoded protein is secreted by cells of both the innate and adaptive immune systems. The active protein is a homodimer that binds to the interferon gamma receptor which triggers a cellular response to viral and microbial infections. Mice deficient in this gene have increased susceptibility to viral, bacterial and parasitic infections and to several autoimmune diseases.

Overview

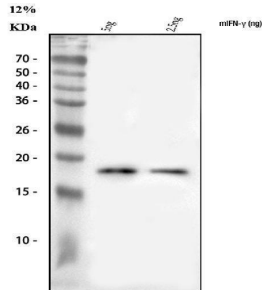
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| Product Name | Anti-IFN Gamma/Ifng Antibody Picoband® |
| Reactive Species | Mouse |
| Description | Boster Bio Anti-IFN Gamma/Ifng Antibody Picoband® catalog # A17232-1. Tested in WB, ELISA applications. This antibody reacts with Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Application | ELISA, WB |
| Clonality | Polyclonal |
| Formulation | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ . |
| Storage Instructions | At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing. |
| Host | Rabbit |
| Uniprot ID | P01580 |

Technical Details

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| Immunogen | E.coli-derived mouse IFN Gamma/Ifng recombinant protein (Position: H23-C155). Mouse Ifng shares 40.3% and 86.5% amino acid (aa) sequence identity with human and rat Ifng, respectively. |
| Recommended Detection Systems | Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot. |
| Cross Reactivity | No cross reactivity with other proteins. |
| Isotype | IgG |
| Form | Lyophilized |
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml. |

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| Purification | Immunogen affinity purified. |
| Suggested Dilutions | Western blot, 0.25-0.5 ug/ml, recombinant protein ELISA, 0.1-0.5 ug/ml, - |

Anti-IFN Gamma/Ifng Antibody Picoband® (A00393-4) Images



Western blot analysis of IFN Gamma/Ifng using anti-IFN Gamma/Ifng antibody (A00393-4). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. Lane 1: recombinant mouse Ifng protein 5 ng, Lane 1: recombinant mouse Ifng protein 2.5 ng. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-IFN Gamma/Ifng antigen affinity purified polyclonal antibody (Catalog # A00393-4) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system.

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Anti-IFN Gamma/Ifng Antibody

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