BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-IFN gamma Receptor beta/AF-1/IFNGR2 Antibody Picoband®

Catalog Number: A03158-2

About IFNGR2

Interferon gamma receptor 2 also known as IFN-gammaR2 is a protein which in humans is encoded by the IFNGR2 gene. It is mapped to 16 C3.3; 16 53.07 cM. This gene (IFNGR2) encodes the non-ligand-binding beta chain of the gamma interferon receptor. Human interferon-gamma receptor is a heterodimer of IFNGR1 and IFNGR2. Defects in IFNGR2 are a cause of mendelian susceptibility to mycobacterial disease (MSMD), also known as familial disseminated atypical mycobacterial infection. MSMD is a genetically heterogeneous disease with autosomal recessive, autosomal dominant or X-linked inheritance.

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Overview

Product Name	Anti-IFN gamma Receptor beta/AF-1/IFNGR2 Antibody Picoband®
Reactive Species	Mouse
Description	Boster Bio Anti-IFN gamma Receptor beta/AF-1/IFNGR2 Antibody Picoband® catalog # A03158-2. Tested in ELISA, WB 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 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Storage Instructions	Store 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 freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q63953

Technical Details

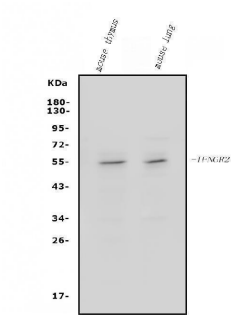
Immunogen	E.coli-derived mouse IFN gamma Receptor beta/AF-1/IFNGR2 recombinant protein (Position: A20-P332).

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Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5ug/ml, Mouse ELISA, 0.1-0.5ug/ml, -

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Anti-IFN gamma Receptor beta/AF-1/IFNGR2 Antibody Picoband® (A03158-2) Images



Western blot analysis of IFN Gamma Receptor Beta/AF-1/Ifngr2 using anti-IFN Gamma Receptor Beta/AF-1/Ifngr2 antibody (A03158-2). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30ug of sample under reducing conditions. Lane 1: mouse thymus tissue lysates, Lane 2: mouse lung tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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 Receptor Beta/AF-1/Ifngr2 antigen affinity purified polyclonal antibody (Catalog # A03158-2) 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. A specific band was detected for IFN Gamma Receptor Beta/AF-1/Ifngr2 at approximately 55KD. The expected band size for IFN Gamma Receptor Beta/AF-1/Ifngr2 is at 38KD.

2 Publications Citing This Product

1. PubMed ID: 10.1039/C5TB00514K, Design of magnetic nanoparticles for hepatocellular carcinoma treatment using the control mechanisms of the cell internal nucleus and external membrane

2. PubMed ID: , Death signal transduction induced by co-immobilized TNF-alpha plus IFN-gamma and the development of polymeric anti-cancer drugs

Visit bosterbio.com/anti-ifn-gamma-receptor-beta-af-1-ifngr2-picoband-trade-antibody-a03158-2-boster.html to see all 2 publications.

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For Research Use Only. Not for use in diagnostic procedures.