

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.

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.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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).
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

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Western blot, 0.25-0.5ug/ml, Mouse

Direct ELISA, 0.1-0.5ug/ml, Mouse

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

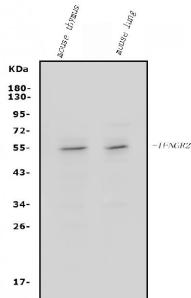


Figure 1. Western blot analysis of IFN Gamma Receptor Beta/AF-1/Ifngr2 using anti-IFN Gamma Receptor Beta/AF-1/Ifngr2 antibody (A03158-2).

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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