

Anti-IL23 Receptor/IL23r Antibody Picoband™

Catalog Number: A00607-1

About IL23r

Interleukin 23 receptor is a type I cytokine receptor. IL23R is its human gene. The protein encoded by this gene is a subunit of the receptor for IL23A/IL23. This protein pairs with the receptor molecule IL12RB1/IL12Rbeta1, and both are required for IL23A signaling. This protein associates constitutively with Janus kinase 2 (JAK2), and also binds to transcription activator STAT3 in a ligand-dependent manner.

Overview

Product Name	Anti-IL23 Receptor/IL23r Antibody Picoband™
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-IL23 Receptor/IL23r Antibody Picoband™ catalog # A00607-1. Tested in ELISA, WB applications. This antibody reacts with Mouse, Rat.
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	IL23r: Q8K4B4

Technical Details

Immunogen	E. coli-derived mouse IL23 Receptor recombinant protein (Position: I25-D233).
Predicted Reactive Species	Human
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	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, 0.1-0.5ug/ml

ELISA (Cap), 1-5ug/ml

Anti-IL23 Receptor/IL23r Antibody Picoband™ (A00607-1) Images

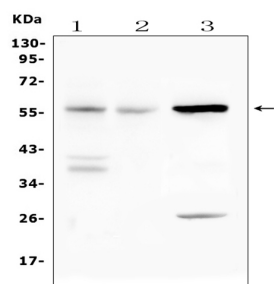


Figure 1. Western blot analysis of IL23 Receptor using anti-IL23 Receptor antibody (A00607-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: mouse brain tissue lysates,
Lane 2: mouse liver tissue lysates,
Lane 3: mouse kidney 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-IL23 Receptor antigen affinity purified polyclonal antibody (Catalog # A00607-1) at 0.5 ug/mL overnight at 4 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 1:10000 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 IL23 Receptor at approximately 58KD. The expected band size for IL23 Receptor is at 72KD.

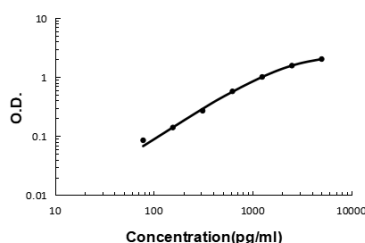


Figure 2. Sandwich ELISA - Recombinant mouse IL23 Receptor/IL23r protein standard curve.

Use in combination with reagents from Mouse IL23 Receptor/IL23r ELISA Kit EZ-Set (DIY Antibody Pairs) (EZ1613)

1 Publications Citing This Product

1. PubMed ID: 10.1159/000445572, IL-23 Promotes Myocardial I/R Injury by Increasing the Inflammatory Responses and Oxidative Stress Reactions

Visit bosterbio.com/anti-il23-receptor-picoband-trade-antibody-a00607-1-boster.html to see all 1 publications.

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