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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Macrophage Inflammatory Protein 3 beta/Ccl19 Antibody Picoband®

Catalog Number: A01605-1

About Ccl19

Chemokine (C-C motif) ligand 19 (CCL19) is a protein that in humans is encoded by the CCL19 gene. This gene is one of several CC cytokine genes clustered on the p-arm of chromosome 9. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene may play a role in normal lymphocyte recirculation and homing. It also plays an important role in trafficking of T cells in thymus, and in T cell and B cell migration to secondary lymphoid organs. It specifically binds to chemokine receptor CCR7.

Overview

Product Name	Anti-Macrophage Inflammatory Protein 3 beta/Ccl19 Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Macrophage Inflammatory Protein 3 beta/Ccl19 Antibody Picoband® catalog # A01605-1. Tested in WB applications. This antibody reacts with Mouse, Rat. 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	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	D3ZI84

Technical Details

Immunogen	E. coli-derived rat Ccl19/MIP-3 beta recombinant protein (Position: G26-S108). Rat Ccl19/MIP-3 beta shares 79.5% and 89.2% amino acid (aa) sequence identity with human and mouse Ccl19/MIP-3 beta, 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	Rabbit IgG

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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, 0.1-0.5ug/ml, Mouse, Rat

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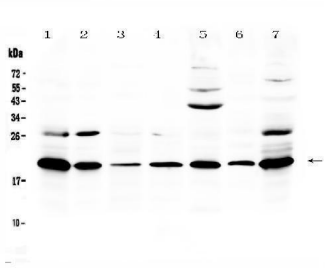
Anti-Macrophage Inflammatory Protein 3 beta/Ccl19 Antibody Picoband® (A01605-1) Images



Western blot analysis of Ccl19/MIP-3 beta using anti-Ccl19/MIP-3 beta antibody (A01605-1). 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: rat thymus tissue lysate,Lane 2: rat lung tissue lysate,Lane 3: rat spleen tissue lysate,Lane 4: rat stomach tissue lysate,Lane 5: rat PC-12 whole Cell lysate,Lane 6: mouse thymus tissue lysate,Lane 7: mouse NIH3T3 whole Cell lysate. 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-Ccl19/MIP-3 beta antigen affinity purified polyclonal antibody (Catalog # A01605-1) 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 1:10000 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 Ccl19/MIP-3 beta at approximately 20KD. The expected band size for Ccl19/MIP-3 beta is at 11KD.

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