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

Anti-CCR4 Antibody Picoband®

Catalog Number: A00755

About CCR4

CCR4, C-C chemokine receptor type 4 is a protein that in humans is encoded by the CCR4 gene. CCR4 has also recently been designated CD194 (cluster of differentiation 194). The protein encoded by this gene belongs to the G protein-coupled receptor family. It is a receptor for the following CC chemokines. The CCR4 gene is mapped to chromosome 3. Chemokines are a group of small structurally related proteins that regulate cell trafficking of various types of leukocytes. The chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis.

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Overview

Product Name	Anti-CCR4 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CCR4 Antibody Picoband® catalog # A00755. Tested in WB applications. This antibody reacts with Human, 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	P51679

Technical Details

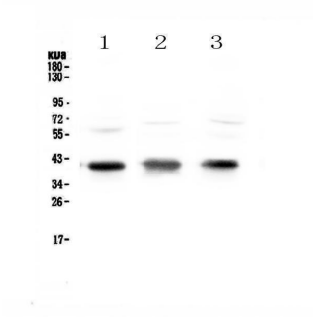
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CCR4, which shares 93.3% amino acid (aa) sequence identity with both mouse and rat CCR4.

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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	Western blot,0.1-0.5ug/ml

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Anti-CCR4 Antibody Picoband® (A00755) Images



Western blot analysis of CCR4 using anti-CCR4 antibody (A00755). 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 lysates,Lane 2: mouse thymus tissue lysates,Lane 3: mouse NIH3T3 whole cell 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-CCR4 antigen affinity purified polyclonal antibody (Catalog # A00755) 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 CCR4 at approximately 41KD. The expected band size for CCR4 is at 41KD.

1 Publications Citing This Product

1. PubMed ID: 24416340, Zhao C, Bu X, Wang W, Ma T, Ma H. Plos One. 2014 Jan 8;9(1):E85058. Doi: 10.1371/Journal.Pone.0085058. Ecollection 2014. Gec-Derived Sfrp5 Inhibits Wnt5A-Induced Macrophage Chemotaxis And Activation.

Visit bosterbio.com/anti-ccr4-picoband-trade-antibody-a00755-boster.html to see all 1 publications.

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