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

Anti-C-C chemokine receptor type 5 CCR5 Antibody Picoband®

Catalog Number: PA1016

About CCR5

Human CC chemokine receptor 5 (CCR5), which is 17.5 kb from the CMKBR2 gene, encodes a 352-amino acid protein with a calculated molecular mass of 40,600 Da. It is organized into four exons and two introns. Human CCR5 is a co-receptor for macrophage-tropic strains of human immunodeficiency virus (HIV)-1 and is expressed by bone-marrow-derived cells. CCR5 is expressed on neurons, astrocytes, and microglia in the central nervous system, and on epithelium, endothelium, vascular smooth muscle and fibroblasts in other tissues. Functionally, CCR5 mediates the activation of cells by the chemokines macrophage inflammatory protein-1alpha, macrophage inflammatory protein-1beta, and RANTES, and serves as a fusion cofactor for macrophage-tropic strains of human immunodeficiency virus type 1.

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Overview

Product Name	Anti-C-C chemokine receptor type 5 CCR5 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-C-C chemokine receptor type 5 CCR5 Antibody catalog # PA1016. 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 antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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	P51681

BOSTER
antibody and ELISA experts

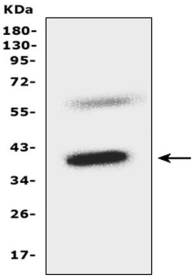
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Technical Details

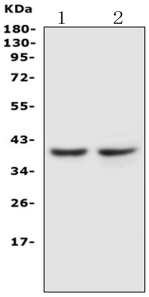
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human CCR5, different from the related rat sequence by two amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity 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, Human, Mouse, Rat

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Anti-C-C chemokine receptor type 5 CCR5 Antibody Picoband® (PA1016) Images



Anti-CCR5 antibody, PA1016, Western blottingAll lanes: Anti CCR5 (PA1016) at 0.5ug/mlWB: Mouse Liver Tissue Lysate at 50ugPredicted bind size: 40KDObserved bind size: 40KD



Anti-CCR5 antibody, PA1016, Western blottingLane 1: JURKAT Cell LysateLane 2: COLO320 Cell Lysate

2 Publications Citing This Product

1. PubMed ID: 23063706, Li G, Xu H, Zhu S, Xu W, Qin S, Liu S, Tu G, Peng H, Qiu S, Yu S, Zhu Q, Fan B, Zheng C, Li G, Liang S. Brain Res Bull. 2013 Jan;90:79-87. Doi: 10.1016/J.Brainresbull.2012.10.002. Epub 2012 Oct 9. Effects Of Neferine On Ccl5 And Ccr5 Expression In...

2. PubMed ID: 22238429, Study on CCR5 analogs and affinity peptides

Visit bosterbio.com/anti-ccr5-antibody-pa1016-boster.html to see all 2 publications.

Anti-C-C chemokine receptor type 5 CCR5 Antibody

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