

Anti-Ccl7 Antibody Picoband®

Catalog Number: A02379-1

About Ccl7

Chemokine (C-C motif) ligand 7 (CCL7) is a small cytokine known as a chemokine that was previously called monocyte-specific chemokine 3 (MCP3). It belongs to the C-C chemokine family. By fluorescence in situ hybridization, MCP3 gene is mapped to chromosome 17q11.2-q12. MCP3 was identified as a physiologic substrate of gelatinase A. Cleaved MCP3 binds to CC-chemokine receptors-1, -2, and -3, but no longer induces calcium fluxes or promotes chemotaxis, and instead acts as a general chemokine antagonist that dampens inflammation, it has been found that matrix metalloproteinases are both effectors and regulators of the inflammatory response.

Overview

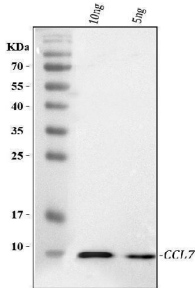
Product Name	Anti-Ccl7 Antibody Picoband®
Reactive Species	Rat
Description	Boster Bio Anti-Ccl7 Antibody Picoband® catalog # A02379-1. Tested in ELISA, WB applications. This antibody reacts with Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	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 freezing and thawing.
Host	Rabbit
Uniprot ID	Q9QXY8

Technical Details

Immunogen	E.coli-derived rat Ccl7 recombinant protein (Position: Q24-P97).
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 µg/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Rat ELISA, 0.1-0.5 ug/ml, Rat

Anti-Ccl7 Antibody Picoband® (A02379-1) Images



Western blot analysis of Ccl7 using anti-Ccl7 antibody (A02379-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. Lane 1: recombinant rat Ccl7 protein 10 ng, Lane 2: recombinant rat Ccl7 protein 5 ng. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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-Ccl7 antigen affinity purified polyclonal antibody (Catalog # A02379-1) 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 1:5000 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 Ccl7 at approximately 9 kDa.

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Anti-Ccl7 Antibody

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