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

Anti-BCA1/CXCL13 Antibody Picoband®

Catalog Number: PB9999

About Cxcl13

C-X-C motif chemokine 13 (CXCL13), also known as B cell-attracting chemokine 1 (BCA-1), is a protein that in humans is encoded by the CXCL13 gene. CXCL13 is a small cytokine belonging to the CXC chemokine family. Its gene is mapped to human chromosome 4 in a cluster of other CXC chemokines. This protein has contained 109 amino acids. It is expressed highly in the liver, spleen, lymph nodes and gut of humans. The protein induces chemotaxis of BLR1-expressing B cells.

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Overview

Product Name	Anti-BCA1/CXCL13 Antibody Picoband®
Reactive Species	Mouse
Description	Boster Bio Anti-BCA1/CXCL13 Antibody Picoband® catalog # PB9999. Tested in ELISA, IHC, WB applications. This antibody reacts with Mouse. 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, IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
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	O55038

Technical Details

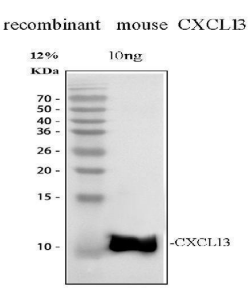
Immunogen	E. coli-derived mouse BCA1 recombinant protein (Position: I22-A109). Mouse BCA1 shares 45.3% amino acid (aa) sequence identity with human BCA1.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western

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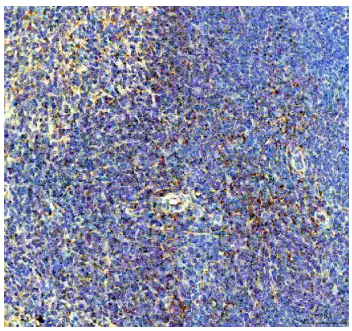
	blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Mouse Immunohistochemistry (Paraffin-embedded Section), 2-5ug/ml, Mouse ELISA, 0.1-0.5ug/ml, -

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Anti-BCA1/CXCL13 Antibody Picoband® (PB9999) Images



Western blot analysis of BCA1/CXCL13 using anti-BCA1/CXCL13 antibody (PB9999). Electrophoresis was performed on a 12% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. Lane 1: recombinant mouse BCA1/CXCL13 protein 10ng. 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-BCA1/CXCL13 antigen affinity purified polyclonal antibody (PB9999) 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 (Catalog # BA1054) at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for BCA1/CXCL13 at approximately 11 kDa.



IHC analysis of BCA1/CXCL13 using anti-BCA1/CXCL13 antibody (PB9999). BCA1/CXCL13 was detected in a paraffin-embedded section of mouse spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-BCA1/CXCL13 Antibody (PB9999) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

Anti-BCA1/CXCL13 Antibody

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