BOSTER BIOLOGICAL TECHNOLOGY
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Anti-MAdCAM1 Antibody Picoband®

Catalog Number: A04227-1

About MADCAM1

MADCAM1 (Mucosal Vascular Addressin Cell Adhesion Molecule 1), also known as MACAM1, is a protein that in humans is encoded by the MADCAM1 gene. By PCR-based analysis of somatic cell hybrids, this gene is mapped to chromosome 19. The protein encoded by this gene is an endothelil cell adhesion molecule that interacts preferentially with the leukocyte beta7 integrin LPAM-1 (alpha4 / beta7), L-selectin, and VLA-4 (alpha4 / beta1) on myeloid cells to direct leukocytes into mucosal and inflamed tissues. It is a member of the immunoglobulin superfamily and is similar to ICAM-1 and VCAM-1.

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Overview

Product Name	Anti-MAdCAM1 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-MAdCAM1 Antibody Picoband® catalog # A04227-1. Tested in WB applications. This antibody reacts with Human. 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	Q13477

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human MAdCAM1, which shares 61.1% and 52.8% amino acid (aa) sequence identity with mouse and rat MAdCAM1, respectively.

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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.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml

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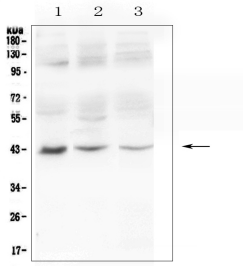
Anti-MAdCAM1 Antibody Picoband® (A04227-1) Images



Western blot analysis of MAdCAM1 using anti-MAdCAM1 antibody (A04227-1). 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: human 293T whole cell lysate,Lane 2: human A375 whole cell lysate,Lane 3: human K562 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-MAdCAM1 antigen affinity purified polyclonal antibody (Catalog # A04227-1) 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 MAdCAM1 at approximately 43KD. The expected band size for MAdCAM1 is at 40KD.

Anti-MAdCAM1 Antibody

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