

## Anti-CD40 Antibody Picoband®

Catalog Number: PA1019

### About Cd40

CD40 is a cell surface receptor that is expressed on the surface of all mature B cells and also expressed on monocytes, dendritic cells, and thymic epithelium. CD40 is a member of the tumor necrosis factor (TNF) receptor superfamily and is the receptor for CD40 ligand. CD40 ligand (CD40L, CD154, gp39, and TRAM) belongs to the TNF gene family and is expressed more widely than CD40 predominantly on activated CD4+ T cells. Activation of CD40 has also been shown to inhibit the growth of certain B cell lymphomas and to induce the death of transformed cells of mesenchymal or epithelial origin.

### Overview

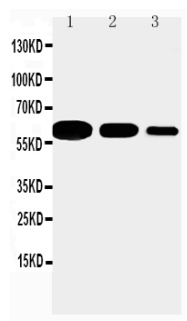
Product Name	Anti-CD40 Antibody Picoband®
Reactive Species	Mouse
Description	Boster Bio Anti-CD40 Antibody catalog # PA1019. Tested in WB applications. This antibody reacts with Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.01mg NaN <sub>3</sub> . *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	P27512

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of mouse CD40.
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, Mouse

## Anti-CD40 Antibody Picoband® (PA1019) Images



Anti-CD40 antibody, PA1019, Western blotting  
Lane 1: Recombinant Mouse CD 40 Protein 10ng  
Lane 2: Recombinant Mouse CD 40 Protein 5ng  
Lane 3: Recombinant Mouse CD 40 Protein 2.5ng

## 2 Publications Citing This Product

1. PubMed ID: 20132097, Peng Yd, Cheng Lx, Zeng Qt, Shi Y, Bao Xx, Mao Xb, Ji Qw, Li Sn, Guo M, Liang Zs, Wu Tc. Cell Biol Int. 2010 Mar 24;34(5):447-53. Doi: 10.1042/Cbi20090301. The Role Of Rantes As A Crucial Downstream Cytokine In Calcineurin-Dependent Vsmc Apoptosis...
2. PubMed ID: 25953661, Meng Hx, Li Hn, Geng Js, Ohe R, Yu Xy, E Xq, Ye F, Yang Sr, Kato T, Zhang L, Ishida A, Ohta N, Jin Xm, Kakehata S, Geng Js, Yamakawa M. Transl Res. 2015 Sep;166(3):281-91. Doi: 10.1016/J.Trsl.2015.04.004. Epub 2015 Apr 17. Decreased Expression Of ...

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Anti-CD40 Antibody

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