BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-CD80 Antibody Picoband®

Catalog Number: PA1365-1

About CD80

Cluster of Differentiation 80 (also CD80 and B7-1) is a protein found on activated B cells and monocytes that provides a costimulatory signal necessary for T cell activation and survival. It is the ligand for two different proteins on the T cell surface: CD28 (for autoregulation and intercellular association) and CTLA-4 (for attenuation of regulation and cellular disassociation). CD80 works in tandem with CD86 to prime T cells. The CD80 genes encode B7-1 which are structurally similar members of the immunoglobulin superfamily expressed on a variety of hematopoietic cell types. Reeves et al. (1997) stated that B7-1 and B7-2 provide a costimulatory signal to T cells by interacting with CD28 and CTLA4.

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Overview

Product Name	Anti-CD80 Antibody Picoband®
Reactive Species	Rat
Description	Boster Bio Anti-CD80 Antibody catalog # PA1365-1. Tested in 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	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	O55202

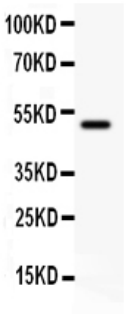
Technical Details

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Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of rat CD80, different from the related mouse 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, Rat

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Anti-CD80 Antibody Picoband® (PA1365-1) Images



Anti-CD80 antibody, PA1365-1, Western blottingAll lanes: Anti CD80 (PA1365-1) at 0.5ug/mlWB: Rat Thymus Tissue Lysate at 50ugPredicted bind size: 34KDObserved bind size: 50KD

1 Publications Citing This Product

1. PubMed ID: 22728711, Du Hy, Dong Lh, Zhao Bj, Fu J, Wang Qq, Chen F, Ou L, Li N, Sun X, Tang Zm, Song Hf. Acta Pharmacol Sin. 2012 Aug;33(8):1047-54. Doi: 10.1038/Aps.2012.54. Epub 2012 Jun 25. Immunostimulatory And Anti-Neoplasm Effects Of A Novel Palindrome Cpg Olig...

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