BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-CD3Z Antibody (C-term)

Catalog Number: A02421

About CD247

T-cell receptor zeta, together with T-cell receptor alpha/beta and gamma/delta heterodimers, and with CD3-gamma, -delta and -epsilon, forms the T-cell receptor-CD3 complex. The zeta chain plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Low expression of the antigen results in impaired immune response.

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Overview

Product Name	Anti-CD3Z Antibody (C-term)
Reactive Species	Human, Mouse
Description	Boster Bio Anti-CD3Z Antibody (C-term) (Catalog # A02421). Tested in WB, Flow Cytometry application(s). This antibody reacts with Human, Mouse.
Application	Flow Cytometry, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P20963

Technical Details

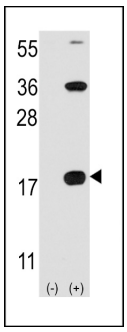
Immunogen	This CD3Z antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 113-141 amino acids from the C-terminal region of human CD3Z.
Predicted Reactive Species	Pig
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.

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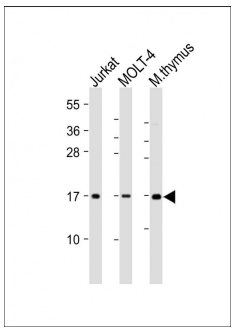
Suggested Dilutions	WB: 1:4000-1:8000 FC: 1:25

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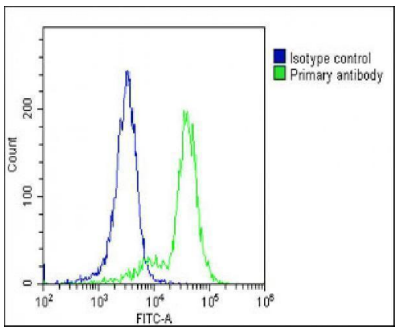
Anti-CD3Z Antibody (C-term) (A02421) Images



Western blot analysis of CD3Z (arrow) using rabbit polyclonal CD3Z Antibody (C-term) . 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CD3Z gene (Lane 2) (Origene Technologies).



All lanes : Anti-CD3Z Antibody (C-term) at 1:4000-1:8000 dilutionLane 1: Jurkat whole cell lysateLane 2: MOLT-4 whole cell lysateLane 3: Mouse thymus lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 19 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing K562 cells stained with A02421 (green line). The cells were fixed with 2% paraformaldehyde (10 min). The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (A02421, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG1 (1ug/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

Anti-CD3Z Antibody (C-term)

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