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

Anti-CD19 Antibody (N-term)

Catalog Number: A00154

About CD19

Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. CD19 is a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.

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Overview

Product Name	Anti-CD19 Antibody (N-term)
Reactive Species	Human
Description	Boster Bio Anti-CD19 Antibody (N-term) (Catalog # A00154). Tested in WB, IHC-P, Flow Cytometry, IF application(s). This antibody reacts with Human.
Application	Flow Cytometry, IF, IHC-P, 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	P15391

Technical Details

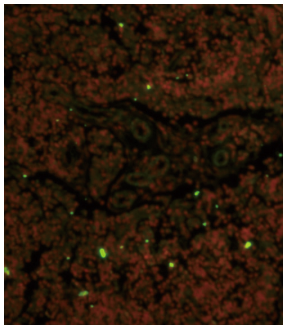
Immunogen	This CD19 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 143-172 amino acids from the N-terminal region of human CD19.
Predicted Reactive Species	Monkey
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).

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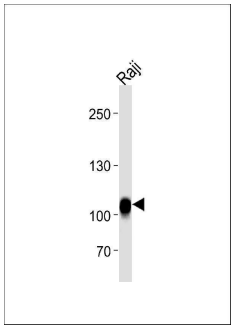
Cross Reactivity	No cross reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	IF: 1:10-1:50 WB: 1:500 IHC-P: 1:10-1:50 FC: 1:10-1:50

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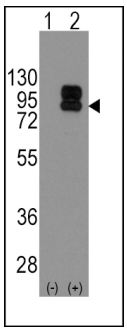
Anti-CD19 Antibody (N-term) (A00154) Images



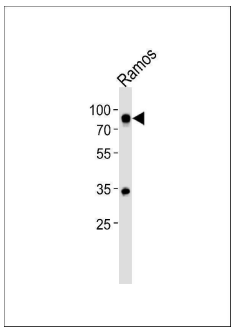
Immunofluorescence analysis of CD19 Antibody (N-term) with paraffin-embedded human lymph tissue . 0. 05 mg/ml primary antibody was followed by FITC-conjugated goat anti-rabbit IgG (whole molecule). FITC emits green fluorescence. Red counterstaining is PI.



CD19 Antibody (N-term) (Cat. #A00154) western blot analysis in Raji cell line lysates (35ug/lane). This demonstrates the CD19 antibody detected the CD19 protein (arrow).



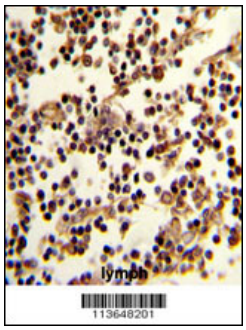
Western blot analysis of CD19 (arrow) using rabbit polyclonal CD19 Antibody (N-term) (Cat. #A00154). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CD19 gene (Lane 2) (Origene Technologies).

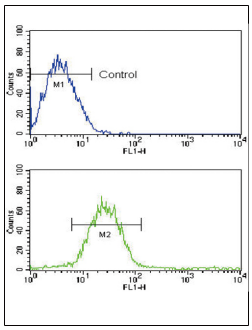


Western blot analysis of lysate from Ramos cell line, using CD19Antibody (N-term) (Cat. #A00154). A00154 was diluted at 1:500. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

Formalin-fixed and paraffin-embedded human lymph reacted with CD19 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

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Flow cytometric analysis of CEM cells using CD19 Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Anti-CD19 Antibody (N-term)

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