

Anti-Cd19 Antibody Picoband™

Catalog Number: A00154-4

About Cd19

B-lymphocyte antigen CD19, also known as CD19 (Cluster of Differentiation 19), is a protein that in humans is encoded by the CD19 gene. It is found on the surface of B-cells, a type of white blood cell. 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. The CD19 gene encodes a cell surface molecule that assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.

Overview

Product Name	Anti-Cd19 Antibody Picoband™
Reactive Species	Rat
Description	Boster Bio Anti-Cd19 Antibody Picoband™ catalog # A00154-4. Tested in ELISA, IHC applications. This antibody reacts with Rat.
Application	ELISA, IHC
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	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 freezing and thawing.
Host	Rabbit
Uniprot ID	F1LNH2

Technical Details

Immunogen	E.coli-derived rat Cd19 recombinant protein (Position: D89-L420).
Recommended Detection Systems	Boster recommends HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the

optimal dilution ratio for your samples.
Some PubMed article(s) citing the expression level of this target are as follows:
Boster Bio's internal QC testing used Immunohistochemistry(Paraffin-embedded Section), 2-5
2g/ml, Rat
Direct ELISA, 0.1-0.5 g/ml, Rat

For protocols please visit <https://www.bosterbio.com/protocol-and-troubleshooting/>

Anti-Cd19 Antibody Picoband™ (A00154-4) Images

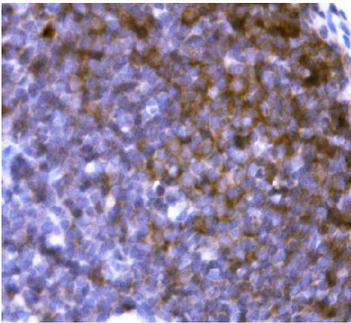


Figure 1. IHC analysis of Cd19 using anti-Cd19 antibody (A00154-4).

Cd19 was detected in a paraffin-embedded section of rat lymph node tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Cd19 Antibody (A00154-4) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.

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