BOSTER BIOLOGICAL TECHNOLOGY
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Anti-CD33 Antibody Picoband®

Catalog Number: RP1105

About Cd33

CD33, also known as Siglec-3 (sialic acid binding Ig-like lectin 3, SIGLEC3, SIGLEC-3, gp67, p67), is a transmembrane receptor expressed on cells of myeloid lineage. It is usually considered myeloid-specific, but it can also be found on some lymphoid cells. CD33 binds sialic acids, therefore is a member of the SIGLEC family of lectins. By fluorescence in situ hybridization, CD33 is mapped to 19q13.3-q13.4.

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Overview

Product Name	Anti-CD33 Antibody Picoband®
Reactive Species	Mouse
Description	Boster Bio Anti-CD33 Antibody catalog # RP1105. Tested in IHC, 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	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2mg Na2HPO4, 0.01 mg NaN3.
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	Q63994

Technical Details

Immunogen	E. coli-derived mouse CD33 recombinant protein (Position: D18-E240). Mouse CD33 shares 61.6% amino acid (aa) sequence identity with human CD33.
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	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Mouse Western blot, 0.1-0.5ug/ml, Mouse

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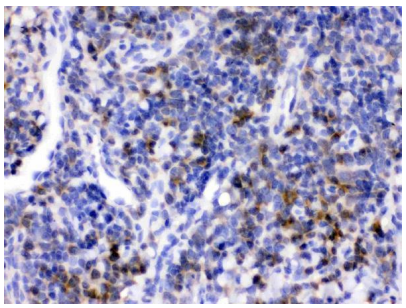
Anti-CD33 Antibody Picoband® (RP1105) Images



CD33 was detected in paraffin-embedded sections of mouse spleen tissues using rabbit anti-CD33 Antigen Affinity purified polyclonal antibody (Catalog # RP1105) at 1 ug/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Western blot analysis of CD33 expression in mosue lung extract (lane 1). CD33 at 45KD was detected using rabbit anti-CD33 Antigen Affinity purified polyclonal antibody (Catalog # RP1105) at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).

Anti-CD33 Antibody

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