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

# Anti-CD33 Antibody

**Catalog Number:** A01508

## About CD33

CD33 is a member of the sialic acid-binding immunoglobulin-like lectin (Siglec) family that is highly expressed on myeloid progenitor cells. Assessment of CD33 expression is of great importance in the immunodiagnosis of acute leukemia, allowing distinction between myeloid and lymphoid origin, as CD33 is generally restricted to the myelomonocytic lineage. CD33 can associate with the protein-tyrosine phosphatases SHP-1 and SHP-2 and thus could modulate downstream signaling events associated with cell activation. Common variants of CD33 have been found to be associated with late-onset Alzheimer's disease.

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## Overview

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|---|---|
| Product Name | Anti-CD33 Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-CD33 Antibody (Catalog # A01508). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat. |
| Application | ELISA, WB |
| Clonality | Polyclonal |
| Formulation | CD33 Antibody is supplied in PBS containing ≤0.09% sodium azide. |
| Storage Instructions | CD33 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |
| Host | Rabbit |
| Uniprot ID | P20138 |

## Technical Details

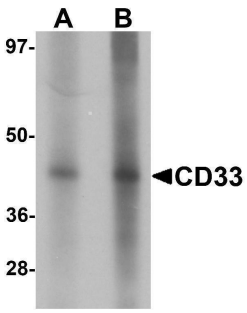
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| Immunogen | CD33 antibody was raised against a 14 amino acid synthetic peptide near the center of human CD33. The immunogen is located within amino acids 180 - 230 of CD33. |
| Predicted Reactive Species | Bovine |
| Cross Reactivity | At least three isoforms of CD33 are known to exist; this antibody will detect all three isoforms. |

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| Isotype | IgG |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Purification | CD33 Antibody is affinity chromatography purified via peptide column. |
| Suggested Dilutions | CD33 antibody can be used for detection of CD33 by Western blot at 1 - 2 ug/mL.<br>Antibody validated: Western Blot in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher. |

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# Anti-CD33 Antibody (A01508) Images




Western blot analysis of CD33 in 3T3 cell lysate with CD33 antibody at (A) 1 and (B) 2 ug/mL.

Anti-CD33 Antibody

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