

Datasheet for 600-401-AG8**CD33 Antibody****Overview**

Description:	Anti-CD33 (RABBIT) Antibody - 600-401-AG8
Item No.:	600-401-AG8
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	CD33 Antibody, p67, SIGLEC3, SIGLEC-3, Myeloid cell surface antigen CD33, Sialic acid-binding Ig-like lectin 3, Siglec-3
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CD33
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-CD33 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide near the internal region of human CD33.

Purity/Specificity: Anti-CD33 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least three isoforms of CD33 are known to exist; this antibody will detect all three isoforms.

Relevant Links:

- [UniProtKB - P20138](#)
- [GeneID - 945](#)
- [NCBI - NP_001763](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-CD33 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 40 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000-1:20,000

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

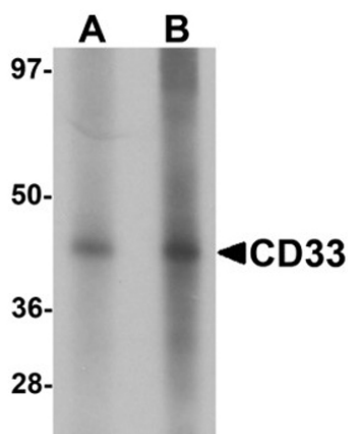
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western blot analysis of CD33.

Load: 3T3 cell lysate.

Primary Antibody: CD33 antibody at (A) 1 µg/mL and (B) 2 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.