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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Technically
Speaking

CEDARLANE[®] 
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Conveniently Delivering You Today's Innovations
for the Science of Tomorrow™

**Anti-Human CD33
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
CL7627AP	Purified	200µg	1.0 mg/ml	CLCMG100
CL7627B	Biotin	100µg	0.1 mg/ml	CLCMG115
CL7627F	FITC	100µg	0.1 mg/ml	CLCMG101
CL7627PE	PE	50µg	0.1 mg/ml	CLCMG104
CL7627AF4	Alexa Fluor [®] 488	100 µg	0.1 mg/ml	N/A
CL7627AF6	Alexa Fluor [®] 647	100 µg	0.1 mg/ml	N/A
CL7627AF7	Alexa Fluor [®] 700	100 µg	0.1 mg/ml	N/A

Alexa Fluor[®] is a registered trademark of Life Technologies Corporation.

Isotype: Mouse IgG₁

DESCRIPTION:

Cedarlane's anti-Human CD33 monoclonal antibody specifically binds human CD33. CD33 is a 67 kDa transmembrane glycoprotein expressed on myeloid cells (granulocyte and macrophage precursors in the bone marrow). CD33 is part of the siglec (sialic acid-binding Ig-related lectins) family and shares common structural features to CD22 and Sialoadhesin.

PRESENTATION:

Purified: Purified IgG buffered in PBS and 0.02% NaN₃. (Purified from ascitic fluid via Protein G Chromatography). For maximum recovery of contents, spin down tube before use.

Biotin, FITC, PE, AF488, AF647 and AF700: Biotin/FITC/PE/AF488/AF647/AF700 conjugated IgG buffered in PBS, 0.02% NaN₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

STORAGE/STABILITY:

For all formats, store at 4°C. DO NOT FREEZE **PE, AF488, AF647 and AF700** conjugates. For long term storage (**Purified, Biotin, FITC**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

APPLICATION:

This antibody is suitable for use in ELISA, Western Blot, Immunoprecipitation and Flow Cytometry.

Visit our website for your local distributor.

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www.cedarlanelabs.com

An ISO 9001:2000 and ISO 13485:2003
registered company.

In CANADA: Toll Free: 1-800-268-5058

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e-mail: general@cedarlanelabs.com

In the USA: Toll Free: 1-800-721-1644

1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138
e-mail: service@cedarlanelabs.com

SPECIFICATIONS:

Clone: CD33 1C7/1

Hybridoma Production:

Immunization: Immunogen: CD33-Fc recombinant protein

Donor: BALB/c spleen

Fusion Partner: Sp2/0AG.14

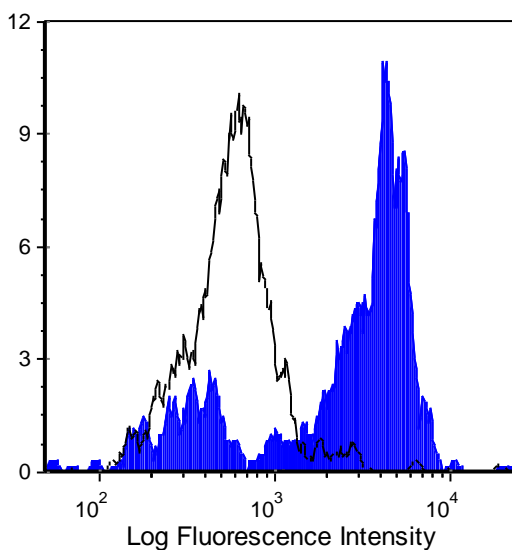
Specificity: This antibody is specific for human CD33.

TEST RESULTS:

Tissue Distribution by Flow Cytometry Analysis:

Cell Concentration: 1×10^6 cells per test

Antibody Concentration Used: $0.1 \mu\text{g}/10^6$ cells



Human peripheral blood monocytes were stained with anti-CD33 (clone: CD33 1C7/1) (filled histogram) or mouse IgG1 isotype control (open histogram).

N.B. Appropriate control samples should always be included in any labeling studies.

*** For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.**

REFERENCES:

1. Freeman SD, Kelm S, Barber EK, Crocker PR. Characterization of CD33 as a new member of the sialoadhesin family of cellular interaction molecules. *Blood*. 1995 Apr 15;85(8):2005-12.
2. Taylor VC, Buckley CD, Douglas M, Cody AJ, Simmons DL, Freeman SD. Myeloid-specific Sialic Acid-binding receptor, CD33, Associates with the Protein-tyrosine Phosphatases, SHP-1 and SHP-2. *J. Biol. Chem.* 1999. 274:11505-11512.
3. Paul SP, Taylor LS, Stansbury EK, McVicar DW. Myeloid specific human CD33 is an inhibitory receptor with differential ITIM function in recruiting the phosphatases SHP-1 and SHP-2. *Blood*. 2000 July 15. Volume 96 number 2.

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