

Mouse CD33 Monoclonal Antibody | anti-CD33 antibody

Anti-Human CD33, Biotin, (clone: CD33 1C7/1) (Mouse IgG1)

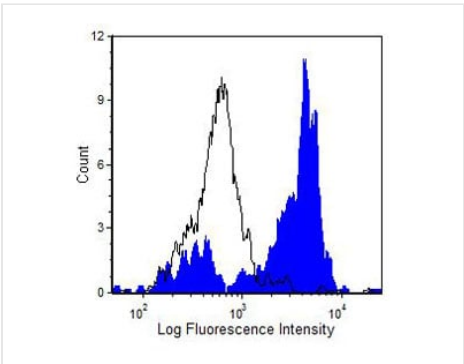
CATALOG # AAA74221	HOST Mouse	APPLICATIONS Western Blot, Flow Cytometry, Functional Assay, ELISA
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PRODUCT SYNONYMS

CD33; Monoclonal Antibody; Anti-Human CD33; Biotin; (clone: CD33 1C7/1) (Mouse IgG1); Anti-Human CD33 Monoclonal Antibody; anti-CD33 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	CD33 1C7/1
Specificity	CD33 (This antibody is specific for human CD33.)
Form/Format	Biotin
Concentration	0.1 mg/ml (varies by lot)
Sequence Length	364
Applicable Applications for anti-CD33 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Immunogen	CD33-Fc recombinant protein
Donor	BALB/c spleen
Fusion Partner	Sp2/0AG.14
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
Presentation	Biotin/FITC/PE conjugated IgG buffered in PBS, 0.02% NaN ₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.
Preparation and Storage	For all formats, store at 4°C. DO NOT FREEZE PE 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 cycle



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

ADDITIONAL INFORMATION

Related Product Information for anti-CD33 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	32187777
NCBI GeneID	945
UniProt Accession #	P20138; Q8TD24; B4E3P8; C9JEN7; F8WAL2
NCBI Official Full Name	CD33 antigen (gp67)
NCBI Official Synonym Full Names	CD33 molecule
NCBI Official Symbol	CD33
NCBI Official Synonym Symbols	p67; SIGLEC3; SIGLEC-3
NCBI Protein Information	myeloid cell surface antigen CD33; gp67; CD33 antigen (gp67); sialic acid binding Ig-like lectin 3; sialic acid-binding Ig-like lectin 3
UniProt Protein Name	Myeloid cell surface antigen CD33
UniProt Gene Name	CD33
UniProt Synonym Gene Names	SIGLEC3; Siglec-3
UniProt Entry Name	CD33_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.