

Rabbit anti-Human CD33 Polyclonal Antibody | anti-CD33 antibody

Anti-CD33 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46608	Rabbit	Human	Flow Cytometry, Functional Assay, Immunocytochemistry, Immunohistochemistry, Western Blot

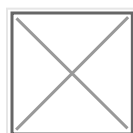
PRODUCT SYNONYMS

CD33; Polyclonal Antibody; Anti-CD33 Antibody; CD 33; CD33 antigen (gp67); CD33 antigen; CD33 molecule; gp67; My9; p67; SIGLEC 3; SIGLEC3; Siglec-3; P20138; Myeloid cell surface antigen CD33; anti-CD33 antibody

PRODUCT SPECIFICATIONS

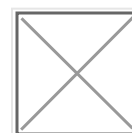
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized; contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	237
Applicable Applications for anti-CD33 antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human CD33 recombinant protein (Position: D18-H259). Human CD33 shares 61.6% amino acid (aa) sequence identity with mouse CD33.
Reconstitution	0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of U937 cells using anti-CD33 antibody (AAA46608). Overlay histogram showing U937 cells stained with AAA46608 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CD33 Antibody (AAA46608, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight 488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IHC (Immunohistochemistry)

CD33 was detected in paraffin-embedded sections of human tonsil tissues using rabbit anti-CD33 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of CD33 expression in SKOV3 whole cell lysates (lane 1). CD33 at 45KD; 67KD was detected using rabbit anti-CD33 Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-CD33 antibody	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.
References	1. Adriaansen, H. J., Geurts Van Kessel, A. H. M., Wijdenes-De Bresser, J. H. F. M., Van Drunen-Schoenmaker, E., Van Dongen, J. J. M.Expression of the myeloid differentiation antigen CD33 depends on the presence of human chromosome 19 in human-mouse hybrids. Ann. Hum. Genet. 54: 115-119, 1990. 2. Brinkman-Van der Linden, E. C. M., Angata, T., Reynolds, S. A., Powell, L. D., Hedrick, S. M., Varki, A. CD33/Siglec-3 binding specificity, expression pattern, and consequences of gene deletion in mice. Molec. Cell. Biol. 23: 4199-4206, 2003. 3. Trask, B., Fertitta, A., Christensen, M., Youngblom, J., Bergmann, A., Copeland, A., de Jong, P., Mohrenweiser, H., Olsen, A., Carrano, A., Tynan, K. Fluorescence in situ hybridization mapping of human chromosome 19: cytogenetic band location of 540 cosmids and 70 genes or DNA markers. Genomics 15: 133-145, 1993.

NCBI AND UNIPROT INFORMATION

NCBI GI #	130980072
NCBI GeneID	945
NCBI Accession #	NP_001076087.1
NCBI GenBank Nucleotide #	NM_001082618.1
UniProt Accession #	P20138; Q8TD24; B4E3P8; C9JEN7; F8WAL2
NCBI Official Full Name	myeloid cell surface antigen CD33 isoform 2
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
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.