

Mouse anti-Human CD33 Monoclonal Antibody | anti-CD33 antibody

CD33 Antibody

CATALOG # AAA283449	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, ELISA, Western Blot
-------------------------------	----------------------	----------------------------	--

PRODUCT SYNONYMS

CD33; Monoclonal Antibody; CD33 Antibody; Myeloid cell surface antigen CD33; Sialic acid-binding Ig-like lectin 3; Siglec-3; gp67; SIGLEC3; anti-CD33 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgM
Clone Number	574CT16.4.4
Specificity	This CD33 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 337-364 amino acids from human CD33.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Euglobin precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	337-364
Sequence Length	237
Applicable Applications for anti-CD33 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

CD33 Antibody western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the CD33 antibody detected the CD33 protein (arrow).



IF (Immunofluorescence)

Fluorescent image of A549 cell stained with CD33 Antibody. A549 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with CD33 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-mouse antibody (green) was used (1:400, 50 min at 37 degree). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). CD33 immunoreactivity is localized to Membrane significantly.

ADDITIONAL INFORMATION

Related Product Information for anti-CD33 antibody	Putative adhesion molecule of myelomonocytic-derived cells that mediates sialic-acid dependent binding to cells. Preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. In the immune response, may act as an inhibitory receptor upon ligand induced tyrosine phosphorylation by recruiting cytoplasmic phosphatase(s) via their SH2 domain(s) that block signal transduction through dephosphorylation of signaling molecules. Induces apoptosis in acute myeloid leukemia (in vitro).
Product Categories/Family for anti-CD33 antibody	Cancer ; Cardiovascular ; Immunology ; Signal transduction
References	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Davila, S., et al. Genes Immun. 11(3):232-238(2010) Akahane, K., et al. Leukemia 24(4):865-869(2010) Shamsasenjan, K., et al. Int. J. Hematol. 89(3):310-318(2009) Bertram, L., et al. Am. J. Hum. Genet. 83(5):623-632(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	130980072
NCBI GeneID	945
NCBI Accession #	NP_001076087.1 ; NP_001171079.1 ; NP_001763.3
NCBI GenBank Nucleotide #	NM_001082618.1
UniProt Accession #	P20138 ; Q8TD24 ; B4E3P8 ; C9JEN7 ; F8WAL2
Molecular Weight	39825
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd33-antibody-clone-574ct16-4-4-immunofluorescence-western-blot-elisa/283449>