

Rabbit anti-Human CD33 (SIGLEC3) Polyclonal Antibody | anti-CD33 antibody

CD33 (SIGLEC3) Antibody (N-term)

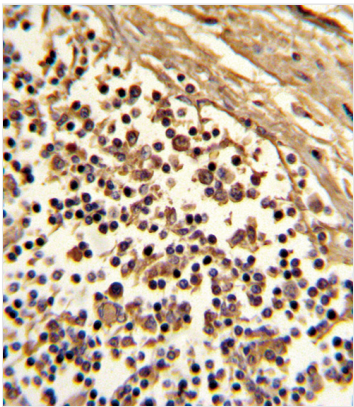
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287960	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

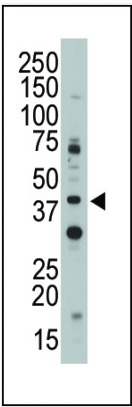
CD33 (SIGLEC3); Polyclonal Antibody; CD33 (SIGLEC3) Antibody (N-term); Myeloid cell surface antigen CD33; Sialic acid-binding Ig-like lectin 3; Siglec-3; gp67; CD33; SIGLEC3; anti-CD33 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CD33 (SIGLEC3) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 12-39 amino acids from the N-terminal region of human CD33 (SIGLEC3).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	12-39
Sequence Length	237
Applicable Applications for anti-CD33 antibody	IHC (Immunohistochemistry), 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.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human lymph with CD33 (SIGLEC3) Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
The anti-Siglec3 N-term Pab is used in Western blot to detect Siglec3 in Jurkat cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-CD33 antibody	SIGLEC3 is a putative adhesion molecule of myelomonocytic-derived cells that mediates sialic-acid dependent binding to cells. It preferentially binds to alpha2,6-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, SIGLEC3 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. This protein Induces apoptosis in acute myeloid leukemia (in vitro). It has been shown to interact with PTPN6/SHP-1 and PTPN11/SHP-2 upon phosphorylation. SIGLEC3 expresses in monocytic/myeloid lineage cells, and contains 2 copies of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in downmodulation of cellular responses. The phosphorylated ITIM motif binds to the SH2 domain of PTPN6/SHP-1. Phosphorylation of Tyr-340 is involved in binding to PTPN6 and PTPN11. Phosphorylation of Tyr-358 is involved in binding to PTPN6. The gene for SIGLEC3 belongs to the immunoglobulin superfamily.
Product Categories/Family for anti-CD33 antibody	Cancer; Cardiovascular; Immunology; Signal transduction
References	Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002). Yousef, G.M., et al., Gene 286(2):259-270 (2002). Vitale, C., et al., Proc. Natl. Acad. Sci. U.S.A. 98(10):5764-5769 (2001). Taylor, V.C., et al., J. Biol. Chem. 274(17):11505-11512 (1999). Ulyanova, T., et al., Eur. J. Immunol. 29(11):3440-3449 (1999).

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd33-siglec3-antibody-immunohistochemistry-western-blot-elisa/287960>