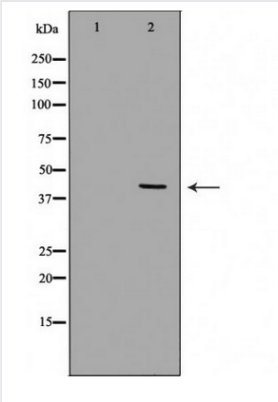
CD33 Antibody

PRODUCT OVERVIEW

Product Name	CD33, Antibody
Full Product Name	CD33 Antibody
Product Gene Name	anti-CD33 antibody
Product Synonym Names	FLJ00391; SIGLEC-3; SIGLEC3; p67
Species Reactivity	Human
Form/Format	In phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Immunogen affinity purified
Specificity	CD33 Antibody detects endogenous levels of total CD33
Preparation and Storage	Store at-20 degree C for 1 year
Molecular Weight	40kDa
OMIM	159590
3D Structure	ModBase 3D Structure for P20138
Immunogen	Recombinant protein of human CD33
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD33 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-CD33 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-CD33 antibody	CD33 is a type I transmembrane glycoprotein that is found on granulocyte and macrophage precursors in the bone marrow, but is absent from pluripotent stem cells. CD33 is also expressed on monocytes in peripheral blood. It is used as a marker to distinguish myelogenous leukemia cells from lymphoid or erythroid leukemias. CD33 may function as a sialic acid-dependent cell adhesion molecule.
Other Notes	Small volumes of anti-CD33 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD33 purchase	MBS8516259 is an antibody targeting CD33. Also known as CD33 Antibody. Reactive in Human.



Western Blot (WB) of anti-CD33 antibody
Western blot analysis of extracts of variouscell lines, using CD33 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD33. It may not necessarily be applicable to this product.

NCBI GI #	130980072
NCBI GeneID	945
NCBI Accession #	NP_001076087.1
UniProt Primary Accession #	P20138
UniProt Secondary Accession #	Q8TD24; B4E3P8; C9JEN7; F8WAL2
UniProt Related Accession #	P20138
GenBank Nucleotide #	NM_001082618.1
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
UniProt Protein Name	Myeloid cell surface antigen CD33
UniProt Synonym Protein Names	Sialic acid-binding Ig-like lectin 3; Siglec-3; gp67; CD_antigen: CD33
Protein Family	Myeloid cell surface antigen
UniProt Gene Name	CD33
UniProt Synonym Gene Names	SIGLEC3; Siglec-3
NCBI Protein Information	myeloid cell surface antigen CD33
UniProt Comments for CD33	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).
Research Articles on CD33	**1.** rs3865444 CD33 acts as a protective factor against late-onset Alzheimer's disease.

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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