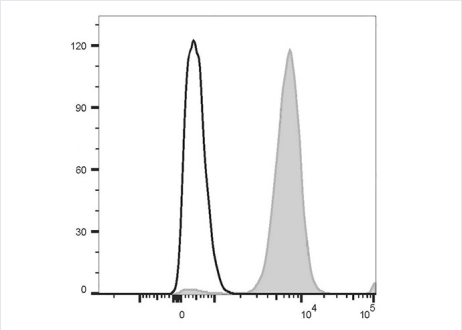
CD33 Antibody – Mouse

PRODUCT OVERVIEW

Product Name	CD33, Antibody
Full Product Name	PE Anti-Human CD33 Antibody [P67.6]
Product Gene Name	anti-CD33 antibody
Product Synonym Names	Myeloid cell surface antigen CD33; CD33; Sialic acid-binding Ig-like lectin 3; Siglec-3; gp67; SIGLEC3
Isotype	IgG1, kappa
Clone Number	P67.6
Host	Mouse
Species Reactivity	Human
Preparation and Storage	This product can be stored at 2-8 degree C for 12 months. Please protected from prolonged exposure to light and do not freeze.
Matching Pairs	Antibody: CD33 Clone #P67.6 (MBS2584707) Isotype Control: IgG1, kappa Clone #MOPC-21 (MBS2557732)
Molecular Weight	Calculated MW: 25kDa/33kDa/39kDa Observed MW: 77kDa
OMIM	159590
3D Structure	ModBase 3D Structure for P20138
Conjugation	PE
Product Categories/Family for anti-CD33 antibody	Antibodies and Reagents; Primary Antibodies; Flow Cytometry Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD33 antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-CD33 antibody	MBS2584707 is an antibody targeting CD33. Also known as PE Anti-Human CD33 Antibody [P67.6]. Reactive in Human. Host: Mouse.
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.



Flow Cytometry (FC/FACS) of anti-CD33 antibody
Staining of normal human peripheral blood cells with PE Anti-Human CD33 Antibody[P67.6] (filled gray histogram) or PE Mouse IgG1, ? Isotype Control (empty black histogram). Cells in the monocytes gate were used for analysis.

ADDITIONAL DETAILS

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

NCBI GI #	945
NCBI GeneID	945
NCBI Accession #	P20138.2
UniProt Primary Accession #	P20138
UniProt Secondary Accession #	Q8TD24; B4E3P8; C9JEN7; F8WAL2
UniProt Related Accession #	P20138
NCBI Official Full Name	Myeloid cell surface antigen CD33
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
UniProt Entry Name	CD33_HUMAN
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 Comments for CD33	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). Belongs to the immunoglobulin superfamily. SIGLEC (sialic acid binding Ig-like lectin) family. Protein type: Membrane protein, integral; Cell adhesion Chromosomal Location of Human Ortholog: 19q13.3 Cellular Component: integral to plasma membrane; plasma membrane; external side of plasma membrane Molecular Function: protein binding; receptor activity; carbohydrate binding Biological Process: negative regulation of cell proliferation; cell-cell signaling; signal transduction; cell adhesion
Research Articles on CD33	**1.** The rs3865444(C) risk allele is strongly associated with greater expression of CD33 exon 2 and increased Alzheimer's disease susceptibility. [Meta-analysis]
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-antibody/cd33/2584707