

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

CD33 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78199	Mouse	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

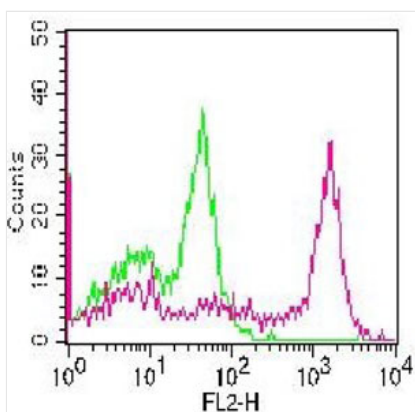
PRODUCT SYNONYMS

CD33; Monoclonal Antibody; CD33 Monoclonal Antibody; anti-CD33 antibody

PRODUCT SPECIFICATIONS

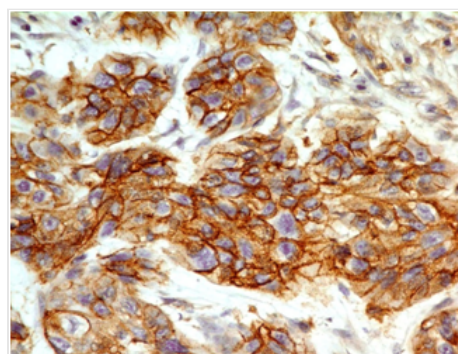
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a, Kappa
Clone Number	ABM29D3
Form/Format	Purified (Liquid)
Concentration	0.5 mg/ml, 200 µl (varies by lot)
Sequence Length	237
Applicable Applications for anti-CD33 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Antigen	CD33
Immunogen	A partial recombinant CD33 protein (amino acids 28-320) was used as the immunogen for this antibody.
Preparation and Storage	Store antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeated freeze and thaw cycles. Expire 1 year from date of purchase.

IMAGES



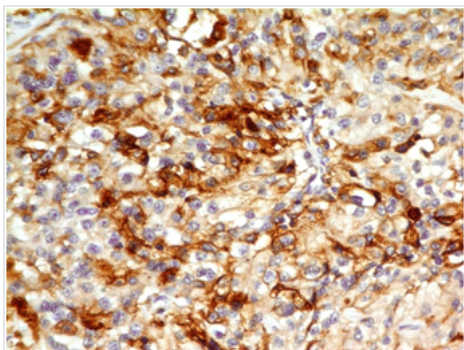
FCM/FACS (Flow Cytometry)

Cell Surface flow analysis of hCD33 in PBMC (Monocytes) using 0.2?g/10⁶ cells of CD33 clone (ABM29D3). Green represents isotype control; red represents anti-CD33 antibody. Goat anti-mouse PE conjugated secondary antibody was used.



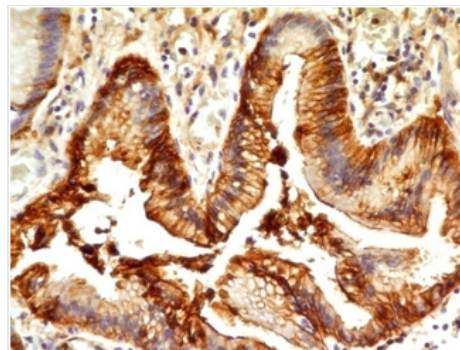
IHC (Immunohistochemistry)

Immunohistochemical analysis of CD33 in squamous cell carcinoma of esophagus using CD33 antibody (Clone: ABM29D3) at 5 ug/ml.



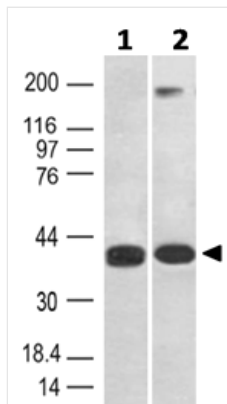
IHC (Immunohistochemistry)

Immunohistochemical analysis of CD33 in Renal Cell Carcinoma using CD33 antibody (Clone: ABM29D3) at 5 ug/ml.



IHC (Immunohistochemistry)

Immunohistochemical analysis of CD33 in adenocarcinoma of rectum using CD33 antibody (Clone: ABM29D3) at 5 ug/ml.



WB (Western Blot)

Expression analysis of CD33. Anti- CD33 antibody (Clone:ABM29D3) was used at 2 ug/ml on Human Spleen and DU145 lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-CD33 antibody

CD33 is a member of the SIGLEC (Sialic Acid-Binding Ig-Like Lectin) family of receptors, and the gene comprises seven coding exons. Exon 2 encodes the canonical IgV domain, exon 4 encodes the IgC structural domain, and exons 6 and 7 encode cytosolic ITIMs (Immunotyrosine Inhibitory Motifs). CD33 acts as a cell surface antigen which is expressed on normal myeloid cells and CD34+ blasts in AML (Acute Myeloid Leukemia). The antigen serves as a target of GO (Gemtuzumab/Ozogamicin), which exerts anti-leukemic effects in refractory AML.

Product Categories/Family for anti-CD33 antibody

[Immunology](#)

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; CD33 antigen (gp67); sialic acid binding Ig-like lectin 3; sialic acid-binding Ig-like lectin 3
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/monoclonal/cd33-antibody-clone-abm29d3-flow-cytometry-immunohistochemistry-western-blot-elisa/78199>