

CD33 monoclonal antibody, clone HIM3-4 (Biotin)

Catalog # MAB4406

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native CD33.
Immunogen	Native purified CD33 from human cell line NFMY-9s.
Host	Mouse
Theoretical MW (kDa)	67
Reactivity	Human, Non-Human Primates
Specificity	This antibody reacts with CD33, a 67 KDa type I transmembrane glycoprotein (immunoglobulin super family) expressed on myeloid progenitors, monocytes, granulocytes, dendritic cells and mast cells; it is absent on platelets, lymphocytes, erythrocytes and hematopoietic stem cells.
Form	Liquid
Conjugation	Biotin
Isotype	IgG1
Recommend Usage	Flow Cytometry (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Gene Info — CD33

Entrez GeneID	945
Gene Name	CD33
Gene Alias	FLJ00391, SIGLEC-3, SIGLEC3, p67
Gene Description	CD33 molecule
Omim ID	159590
Gene Ontology	Hyperlink
Other Designations	CD33 antigen CD33 antigen (gp67)

Publication Reference

- [Phosphorylated ITIMs enable ubiquitylation of an inhibitory cell surface receptor.](#)
Walter RB, Hausermann P, Raden BW, Teckchandani AM, Kamikura DM, Bernstein ID, Cooper JA.
Traffic (Copenhagen, Denmark) 2007 Dec; 9(2):267.
- [CD33 responses are blocked by SOCS3 through accelerated proteasomal-mediated turnover.](#)
Orr SJ, Morgan NM, Elliott J, Burrows JF, Scott CJ, McVicar DW, Johnston JA.
Blood 2006 Sep; 109(3):1061.
- [The sialoadhesin CD33 is a myeloid-specific inhibitory receptor.](#)
Ulyanova T, Blasioli J, Woodford-Thomas TA, Thomas ML.
European Journal of Immunology 1999 Nov; 29(11):3440.

Pathway

- [Hematopoietic cell lineage](#)

Disease

- [Leukemia](#)
- [Neoplasm](#)
- [Tobacco Use Disorder](#)