

## Product datasheet for **BM4040**

### CD33 Mouse Monoclonal Antibody [Clone ID: MY9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	MY9
Applications:	FC, IHC, IP
Recommended Dilution:	<b>Immunohistochemistry on Frozen Sections:</b> 4 µg/ml (1/100). <b>FACS:</b> 10 µl stock solution to label 10 <sup>6</sup> cells. <b>Immunoprecipitation.</b> <i>Suggested Positive Control:</i> Human tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	The antigen is CD33
Specificity:	The CD33 antibody is valuable for distinguishing acute myeloid from lymphoblastic leukaemias. CD33 is expressed on monocytes in peripheral blood. In the bone marrow, CD33 antigen is found on granulocyte and macrophage precursors, and is absent from pluripotent stem cells.
Formulation:	PBS, pH 7.2 State: Purified State: Lyophilized purified Ig fraction Stabilizer: 5 mg/ml BSA Preservative: 0.05% (v/v) Kathon CG
Reconstitution Method:	Restore with 0.5 ml distilled water.
Concentration:	0.4 mg/ml (after reconstitution)
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.



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<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	CD33 molecule
<b>Database Link:</b>	<a href="#">Entrez Gene 945 Human P20138</a>
<b>Background:</b>	<p>CD33 is found on granulocyte and macrophage precursors in the bone marrow, but is not on pluripotent stem cells. The protein is also expressed on, and is a useful marker for, peripheral monocytes. It is also useful for distinguishing myelogenous leukaemia cells from lymphoid or erythroid leukaemias.</p> <p>Identification of human Monocytes (bright) and Granulocytes (dim) expressing the 67kDa M.W. surface antigen.</p> <p>CD33 is a 67kDa single chain transmembrane glycoprotein that belongs to the sialoadhesin family.</p>
<b>Synonyms:</b>	Siglec-3, gp67