



BMA BIOMEDICALS

Monoclonal Antibody to Human CD33

Myeloid cell surface antigen; Sialic acid-binding Ig-like lectin 3 (Siglec-3); gp67

CD33 is a 67kDa single chain transmembrane glycoprotein that belongs to the sialoadhesin family. The antibody is valuable for distinguishing acute myeloid from lymphoblastic leukaemias. CD33 is expressed on monocytes in peripheral blood. In the bone marrow, the CD33 antigen is found on granulocyte and macrophage precursors, and is absent from pluripotent stem cells.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product Number:	T-1057 (Lot 02PO1222)
Clone:	906 (MY9)
Host species, isotype:	Mouse IgG2b
Quantity:	200µg
Format:	Affinity purified, lyophilized. Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.05% (v/v) Kathon™ CG as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Applications:	Tested for immunohistochemistry (IHC); has been described to work in FACS and immunoprecipitation. Approximate working dilution for IHC: Frozen sections: 4µg/ml (1:100) Paraffin sections: does not react on routinely processed paraffin sections Optimal dilutions should be determined by the end use Suggested positive control: Human tonsil Please see www.bma.ch for protocols and general information
Protein database:	<u>human-P20138</u>
Antigen, epitope:	The antigen is CD33, the epitope was not further characterized.

Selected references

Peiper S.C. et al.: Blood **72**, 314-21 (1988)
Leong A.S.Y.: Appl. Immunohistochem. Surg. Pathol. 120-28 (1993)

For in vitro research only. This product contains Kathon™ CG as a preservative.