

Monoclonal Antibody to CD33 / SIGLEC3 - FITC

Alternate names:	Myeloid cell surface antigen CD33, Sialic acid-binding Ig-like lectin 3, Siglec-3, gp67
Catalog No.:	SM1103F
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	<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 67kD molecule expressed by monocytes, granulocyte precursors, myeloid progenitor cells and myeloid leukaemias.</p>
Uniprot ID:	P20138
NCBI:	NP_001763.3
GeneID:	945
Host / Isotype:	Mouse / IgG1
Clone:	WM53
Immunogen:	<p>Human AML cells.</p> <p>Spleen cells from immunised BALB/c mice were fused with cells of the mouse NSI myeloma cell line.</p>
Format:	<p>State: Liquid purified IgG</p> <p>Purification: Affinity chromatography on Protein G</p> <p>Buffer System: PBS, pH7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin</p> <p>Label: FITC – Fluorescein Isothiocyanate Isomer 1</p>
Applications:	<p>Flow cytometry.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>This antibody recognises the CD33 cell surface glycoprotein.</p> <p>Species: Human.</p> <p>Other species not tested.</p>
Storage:	<p>Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.</p> <p>This product is photosensitive and should be protected from light.</p> <p>Shelf life: one year from despatch.</p>

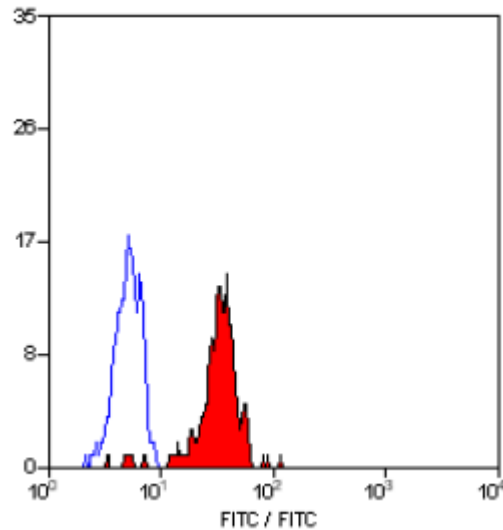
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Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

- General References:**
1. Favaloro, E.J. et al. M.C. (1987) Characterization of monoclonal antibodies to the human myeloid differentiation antigen gp67 (CD-33). *Dis. Markers* 5: 215-225.
 2. Favaloro, E.J. et al. (1988) Further characterisation of myeloid antigens (gp160,95, gp150 and gp67): Investigation of epitopic heterogeneity and non-haemopoietic distribution using panels of monoclonal antibodies belonging to CD-11b, CD-13 and CD33. *Br. J. Haematol.* 69: 163-171.

Pictures:



Staining of human peripheral blood monocytes with Mouse Anti Human CD33 antibody -FITC

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