

Product datasheet for **SM1103F**

CD33 Mouse Monoclonal Antibody [Clone ID: WM53]

Product data:

Product Type:	Primary Antibodies
Clone Name:	WM53
Applications:	FC
Recommended Dilution:	Flow cytometry.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human AML cells. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity:	This antibody recognises the CD33 cell surface glycoprotein.
Formulation:	PBS, pH7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC State: Liquid purified IgG Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD33 molecule
Database Link:	Entrez Gene 945 Human P20138



[View online »](#)

Background:

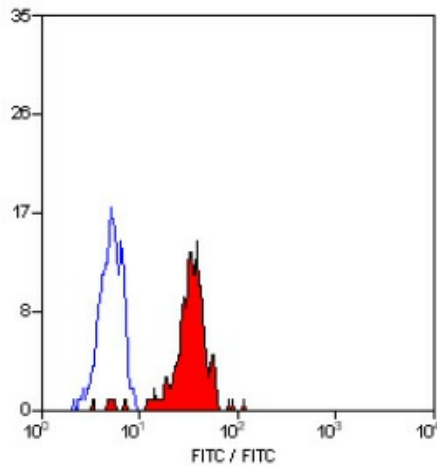
CD33 is found on granulocyte and macrophage precursors in the bone marrow, but is not on pluripotent stem cells. The protein is also expressed on, and is a useful marker for, peripheral monocytes. It is also useful for distinguishing myelogenous leukaemia cells from lymphoid or erythroid leukaemias.

Identification of human Monocytes (bright) and Granulocytes (dim) expressing the 67kDa M.W. surface antigen.

CD33 is a 67kD molecule expressed by monocytes, granulocyte precursors, myeloid progenitor cells and myeloid leukaemias.

Synonyms:

Siglec-3, gp67

Product images:

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