

Product datasheet for **AM05188RP-N**

CD33 Mouse Monoclonal Antibody [Clone ID: FOS]

Product data:

Product Type:	Primary Antibodies
Clone Name:	FOS
Applications:	FC
Recommended Dilution:	Flow Cytometry. Characterization of subtypes of leukemias and lymphomas. Studies of AIDS virus infection. Myeloid cell function studies. Analysis of hematopoietic maturation.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	CD33=Derived from the hybridization of mouse Sp2/0 myeloma cells with spleen cells from BALB/c mice immunized with FMY9S5 cells containing the CD33 gene.
Specificity:	This antibody recognises human Myeloid.
Formulation:	PBS containing 0.2% protein carrier and 0.08% Sodium Azide as preservative. Label: PE State: Liquid purified IgG fraction.
Concentration:	lot specific
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. Do Not Freeze!
Stability:	Shelf life: One year from despatch.
Gene Name:	CD33 molecule
Database Link:	Entrez Gene 945 Human P20138



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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 also found on CFU-mix, CFU-GM, CFU-Meg, a portion of BFU-E, myeloblasts, promyelocytes, myelocytes, metamyelocytes but not early precursors.</p>
Synonyms:	Siglec-3, gp67
Note:	<p>Protocol: PBMC:</p> <p>Add 10 ul of MAB/10e6 PBMC in 100 ul PBS.</p> <p>Mix gently and incubate for 15 minutes at 2-8°C.</p> <p>Wash twice with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze.</p> <p>WHOLE BLOOD:</p> <p>Add 10 ul of MAB/100 ul of whole blood.</p> <p>Mix gently and incubate for 15 minutes at room temperature (20°C).</p> <p>Lyse the whole blood.</p> <p>Wash once with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze.</p> <p>See instrument manufacturers instructions for Lysed Whole Blood and Immunofluorescence analysis with a flow cytometer or microscope.</p>