

anti-human CD33

Monoclonal Antibody to CD33 (Human)

Cat-No: 21330331

100 µg in 100 µl

Clone: MD33.6

Specificity: This clone has been derived from hybridization of SP2/0 cells with spleen cells of a BALB/c mouse immunized with human CD33 transfectants. This antibody has been clustered to CD33 in one of the international Workshop on Human White Cell differentiation Antigens. The monoclonal antibody is directed against the CD33-antigen (belonging to the Ig-supertgene family), which is expressed on human myelomonocytic cells. The monoclonal antibody reacts in the bone marrow from myeloblasts up to myelocytes. CD33-antigen is found on CFU-GEMM, CFU-GM, CFU-G, CFU-M and with erythroid CFU-E but not on earlier precursors. The monoclonal antibody does not react with normal human peripheral granulocytes, B-cells, T-cells and platelets. The monoclonal antibody reacts weakly with blast cells in 70% of patients with Acute Myeloid Leukaemia (AML) and in 30% of adult patients with Acute Lymphoblastic Leukaemia (ALL).

Isotype subclass: Mouse IgG1

Purification: Ammonium sulphate precipitation and ion exchange chromatography.

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 0.09 % sodium azide (pH 7.2).

Expiration date: The reagent is stable until the expiry date stated on the vial label.

Storage conditions: Store at 4 °C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Application: Analysis of myeloid leukaemia and studies of myeloid differentiation. Methods: Indirect immunofluorescence staining with analysis by flowcytometry or fluorescence microscopy. IF, FCM

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research use only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

ImmunoTools Excellent Quality - Advantageously priced

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