anti-human CD33 FITC-conjugated

FITC - conjugated monoclonal antibody MD33.6 to human CD33

Cat-No: **21330333** 500 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 (My9, belonging to the Ig-supergene family), which is expressed on a majority of myeloid and monocytic cells, except on granulocytes (molecular mass 67 kDa). 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 erythroid CFU-E, but not on earlier precursors. It 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

Form: The antibody was purified from ascites using column chromatography (ion exchange chromatography). Conjugated with fluorescein iso thiocyanate isomer 1 (FITC). Molecular F/P ratio between 5.0 – 10.0.

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 1 % BSA and 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. Avoid prolonged exposure to light.

Application: Flow Cytometry

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 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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