

anti-human CD24 FITC-conjugated**Cat-No.: H12424F** **1 ml****Clone:**1B5**Specificity:**

This clone has been derived from hybridization of SP2/0 cells with spleen cells of a BALB/c mouse immunized with human granulocytes. This antibody has been clustered to CD24 in the Third International Workshop on Human White Cell Differentiation Antigens. The monoclonal antibody is directed against the CD24-antigen, which is expressed on virtually all B-cells: early B-cell precursors, pre-pre-B-cells, pre-B-cells, B-cells, intermediate B-cells, mature B-cells and some plasmacytoid cells are positive, while plasma cells are negative (molecular mass 45, 55, 65 kDa). It is absent in patients with PNH. The monoclonal antibody reacts with human granulocytes and their precursors from promyelocytic stage. The monoclonal antibody also reacts with virtually all pre-B-cell lines and Burkitt cell lines, but is only expressed on less than 50% of the B-cell lymphoblastoid cell lines. Non T-ALL, B-cell NHL and 50% of myelomas as well as a subpopulation of AML is found to be positive. Hairy Cell Leukaemia is found to be weakly positive.

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 is between 5.0 - 10.0.**Physical state:**

Liquid

Buffer/Additives/Preservative: PBS containing 1 % BSA and 0.09 % (w/v) sodium azide (pH 7.4)**Expiration date:** The reagent is stable until the expiry date stated on the vial label.**Storage conditions:** Store at 4°C. Do not freeze. Avoid prolonged exposure to light.**Application:**

Identification of B-CLL. Immunophenotyping of Hairy Cell Leukaemia. Methods: Direct immunofluorescence staining with analysis by flowcytometry or fluorescence microscopy.

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.

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