anti-human CD5 PE-conjugated

PE -conjugated monoclonal antibody 1C12 to human CD5

Cat-No: **21330054** 500 µl

Clone: 1C12

Specificity:
This clone has been derived from hybridization of SP2/0 cells with spleen cells of a BALB/c mouse immunized with cells of a patient with Sézary Syndrome. This antibody has been clustered to CD5 in the Third International Workshop on Human White Cell Differentiation Antigens. The monoclonal antibody is directed against the CD5-antigen (T1-antigen), which is expressed on human thymocytes, mature T cells and a subset of B cells (molecular mass 67 kDa). The monoclonal antibody reacts with 90% of human peripheral T lymphocytes, medullary thymocytes and with lymphocytes of patients with chronic B-cell derived leukaemia (B-CLL). The antibody does not react with normal B-cells, monocytes, granulocytes and platelets.

Isotype subclass: Mouse IgG1

Form:
The antibody was purified from ascites or tissue culture medium using column chromatography (ion exchange and/or affinity chromatography). Conjugated with R-phycoerythrin (PE). Molecular F/P ratio is between 1.0 - 2.0.

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 1 % BSA and 0.09 % sodium azide (pH 7.4).

Storage conditions:
Store at 4 °C. Avoid prolonged exposure to light. The reagent is stable until the expiry date stated on the vial label.

Application:
Monitoring of T-cell numbers in peripheral blood. Characterization of leukaemia and lymphomas.
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.

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**

ImmunoTools GmbH - Altenoyther Str. 10; 26169 Friesoythe; Germany
Tel +49-(0)4491-400997, Fax +49-(0)4491-400998, info@immunotools.com
www.immunotools.com