

anti-human CD66acde PE-conjugated**Cat-No.:** H12452P**1 ml****Clone:** IH4Fc

Specificity: This clone has been derived from hybridization of SP2/0 cells with spleen cells of a (BALB/c x A/J) mouse immunized with human granulocytes. This antibody was submitted to CD66acde in the Fifth and Sixth International Workshop on Human White Cell Differentiation Antigens. The monoclonal antibody is directed against the CD66acde-antigen (molecular mass 180 – 200 kDa), which is expressed on mature human granulocytes. After granulocyte activation the expression is strongly increased. The monoclonal antibody reacts with 100% of mature human peripheral granulocytes. It reacts weak with malignant cells of patients with B-cell derived Chronic Lymphoid Leukaemia (CLL). The monoclonal antibody does not react with normal human peripheral B-cells, T-cells, monocytes and platelets. In immunohistology the monoclonal antibody reacts with some tissue macrophages and CEA, the Carcino Embryonic Antigen, expressed on colon carcinoma and other carcinomas.

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. Do not freeze. Avoid prolonged exposure to light.

Application: Monitoring of mature granulocytes in peripheral blood. Methods: Direct immunofluorescence staining with analysis by flowcytometry or fluorescence microscopy.

References:

- 1.Schoot, C.E. van der et al., Knapp, W. et al. (editors), Leukocyte Typing IV, 838 (1989).
- 2.Harvath, L. et al., Tissue Antigens, 33, 215 (1989).
- 3.Tetteroo, P.A.T. et al, J. Immunology, 136, 3427 (1986).

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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