

anti-human CD14 PE-conjugated

PE -conjugated monoclonal antibody 8G3 to human CD14

Cat-No: **21330144**

500 µl

Clone: 8G3

Specificity:

This clone has been derived from hybridization of SP2/0 cells with spleen cells of a BALB/c mouse immunized with human monocytes. This antibody has been clustered to CD14 in the Third and Fourth International Workshop on Human White Cell Differentiation Antigens. The monoclonal antibody is directed against the CD14-antigen (LPS/LBP receptor, gp55), which is expressed on human monocytic cells, macrophages, granulocytes (molecular mass 55 kDa). It is absent in PNH patients. The antibody reacts with human monocytes and macrophages; weak reactions may occur with neutrophils.

Isotype subclass: Mouse IgG2a

Form: The antibody was purified from ascites or tissue culture supernatant 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 % (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. Avoid prolonged exposure to light.

Application: Enumeration of monocytes and macrophages in peripheral blood and identification in lymphoid tissues. This monoclonal antibody can be used as a useful marker for monocytic and myelomonocytic acute myeloid leukaemia.

References:

Knapp, W., Dorken, B., Gilks, W.R., Rieber, E.P., Schmidt, R.E., Von dem Borne, A.E.G.Kr. 1989. Leucocyte Typing IV. Oxford University Press Inc., New York.

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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