

anti-human CD14 PE/Dy590-conjugated**Cat-No.:** H12143PD590**1 ml****Clone:** MEM-15

Specificity: The antibody MEM-15 reacts with human CD14 antigen, a 53 kDa glycoprotein expressed strongly on the surface of monocytes and weakly on the surface of granulocytes; also expressed by most tissue macrophages.

The antibody MEM-15 also reacts with soluble forms of CD14 found in serum and in the urine of a nephrotic patients.

Isotype subclass: Mouse IgG1

Immunogen: A crude mixture of human urinary proteins precipitated by ammonium sulphate from the urine of a patient suffering from proteinuria.

Preparation: The purified antibody is conjugated with tandem dye PE-Dynamics 590 (PE-DY590) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.

Physical state: Liquid**Buffer/Additives/Preservative:** PBS containing 0.2% BSA and 15 mM 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:** The reagent is designed for Flow Cytometry analysis**References:**

Leucocyte Typing III. McMichael A.J et al (Eds.), Oxford University Press (1987).

Leucocyte Typing IV. Knapp W et al.(Eds.), Oxford University Press (1989).

Typing V. Schlossman S. et al.(Eds.), Oxford University Press (1985).

Sundan A, Gullstein-Jahr T, Otterlei M, Rayan L, Bazil V, Wrigth SD, Espevik T. Soluble CD14 from urine copurifies with a potent inducer of cytokines. Eur J Immunol. 1994 Aug;28(8):1779-84.

Bazil V, Horejsi V, Baudys M, Kristofova H, Stomminger JL, Kosta W, Hilgert I. Biochemical characterization of a soluble form of the 53-kDa monocyte surface antigen. Eur J Immunol. 1986 Dec ;16(12) :1583-9.

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.

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