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30-1839: Anti-CD14 / LPS-receptor Monoclonal Antibody (Clone:MEM-18)-Biotin Conjugated

Clone Name : Monoclonal MEM-18

Application : FACS, IP, WB, ELISA, Functional Assay

Reactivity: Non-Human Primates, Human

Conjugate: Biotin

Gene: CD14

Gene ID: 929

Uniprot ID: P08571

Alternative Name: CD14

Isotype: Mouse IgG1

Immunogen Information: A crude mixture of human urinary proteins precipitated by ammonium sulphate from the urine

of a patient suffering from proteinuria.

Description

CD14 is a 55 kDa GPI-anchored glycoprotein, constitutively expressed on the surface of mature monocytes, macrophages, and neutrophils, where serves as a multifunctional lipopolysaccharide receptor; it is also released to the serum both as a secreted and enzymatically cleaved GPI-anchored form. CD14 binds lipopolysaccharide molecule in a reaction catalyzed by lipopolysaccharide-binding protein (LBP), an acute phase serum protein. The soluble sCD14 is able to discriminate slight structural differences between lipopolysaccharides and is important for neutralization of serum allochthonous lipopolysaccharides by reconstituted lipoprotein particles. CD14 affects allergic, inflammatory and infectious processes.

Product Info

Amount: 0.1 mg

Storage condition : Store at 2-8°C. Do not freeze.

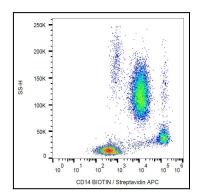


Figure 1: Surface staining of human peripheral blood leukocytes using anti-human CD14 (clone MEM-18) biotin.