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30-2193: Anti-CD14 / LPS-receptor Monoclonal Antibody (Clone:MEM-15)-PE Conjugated

Clone Name: Monoclonal
Clone Name: MEM-15
Application: FACS, IP

Reactivity: Human, Non-Human Primates

 Conjugate :
 PE

 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: 100 tests

Storage condition: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

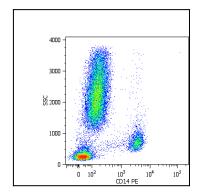


Figure 1: Surface staining of human peripheral blood cells with anti-human CD14 (MEM-15) PE.