

Product datasheet for **SM3163B**

CD14 Mouse Monoclonal Antibody [Clone ID: MEM-15]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-15
Applications:	FC
Recommended Dilution:	Flow Cytometry (1/1000).
Reactivity:	Human, Primate
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	A crude mixture of human urinary proteins precipitated by ammonium sulphate from the urine of a patient suffering from proteinuria
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 some nephrotic patients.
Formulation:	Phosphate buffered saline (PBS) with 15 mM Sodium Azide as preservative, approx. pH 7.4 Label: Biotin State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2 - 8 °C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	CD14 molecule
Database Link:	Entrez Gene 929 Human P08571



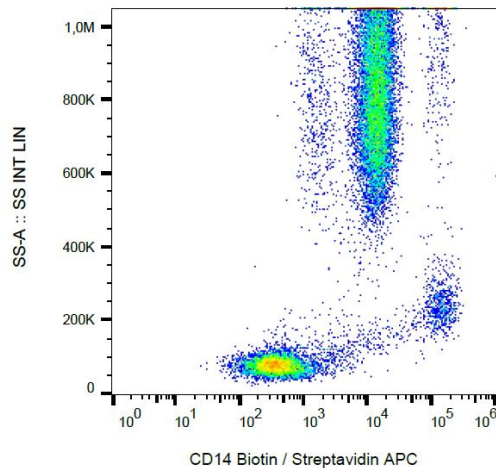
[View online »](#)

Background:

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.

Synonyms:

CD14

Product images:

Surface staining of human peripheral blood cells with anti-human CD14 (MEM-15) biotin / streptavidin-APC