



11-293-C025

## Monoclonal Antibody to CD14 Purified Antibody (0.025 mg)

<b>Clone:</b>	MEM-15
<b>Isotype:</b>	Mouse IgG1
<b>Specificity:</b>	<p>The antibody MEM-15 reacts with CD14, a 53-55 kDa GPI (glycosylphosphatidylinositol)-linked membrane glycoprotein expressed on monocytes, macrophages and weakly on granulocytes; also expressed by most tissue macrophages.</p> <p>The antibody MEM-15 also reacts with soluble forms of CD14 found in serum and in the urine of some nephrotic patients.</p> <p>HLDA III; WS Code M 252 HLDA IV; WS Code M 113 HLDA IV; WS Code NL 90 HLDA IV; WS Code T 53 HLDA V; WS Code M MA086 HLDA VI; WS Code M MA94</p>
<b>Regulatory Status:</b>	RUO
<b>Immunogen:</b>	A crude mixture of human urinary proteins precipitated by ammonium sulphate from the urine of a patient suffering from proteinuria.
<b>Species Reactivity:</b>	Human, Non-Human Primates
<b>Application:</b>	Flow Cytometry Recommended dilution: 4 µg/ml Immunoprecipitation excellent for immunoprecipitation of CD14
<b>Purity:</b>	> 95% (by SDS-PAGE)
<b>Purification:</b>	Purified by protein-A affinity chromatography
<b>Concentration:</b>	1 mg/ml
<b>Storage Buffer:</b>	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
<b>Storage / Stability:</b>	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
<b>Expiration:</b>	See vial label
<b>Lot Number:</b>	See vial label
<b>Background:</b>	<p>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.</p>

**For laboratory research only, not for drug, diagnostic or other use.**

**Antibodies****References:**

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