# Recombinant Human CD14

**Cat. No.** CDA069P **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human CD14 (aa 1-201) expressed in E.coli, shows a 50 kDa band on SDS-PAGE. The CD14 is purified by proprietary chromatographic techniques. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 1-201 a.a. |
| **Description** | CD14 (also known lipopolysaccharide (LPS) receptor) is expressed strongly on monocytes and macrophage and weakly on the surface of neutrophils. CD14 is anchored to cells by linkage to glycosylphosphatidylinositol (GPI) and functions as a high affinity receptor for complexes of LPS and LPS binding protein (LBP). Soluble CD14, also binding to LPS, acts at physiological concentration as an LPS agonist and has, at higher concentrations, an LPS antagonizing effect in cell activation. CD14 has been shown to bind apoptotic cells. |
| **Physical Appearance** | Sterile Filtered clear solution. |
| **Formulation** | CD14 at 100μg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol. |
| **Applications** | • ELISA • Inhibition Assays • Western Blotting |
| **Storage** | Store vial at -20℃ to -80℃. When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles. |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

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|---|---|
| **Synonyms** | Monocyte differentiation antigen CD14; Myeloid cell-specific leucine-rich glycoprotein; CD14; CD14 antigen; CD14 molecule. |

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