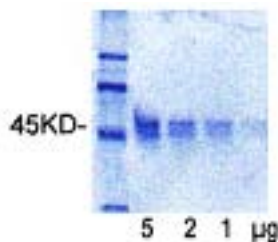


## CD14

### Recombinant Human CD14

<b>Catalog No.</b>	CRCC01	<b>Quantity:</b>	10 µg
<b>Description:</b>	CD14 acts as a receptor for endotoxin (LPS) and is expressed on monocytes, macrophages, and neutrophils. CD14 is anchored to cells by glycosylphosphatidylinositol (GPI)-linkage and functions as a high affinity receptor of LPS-LBP-complexes. CD14 is present in a soluble form in human serum, urine and other bodily fluids, acts at physiological concentrations as an LPS agonist, and has at higher concentrations an antagonizing effect in cell activation. The myeloid differentiation antigen CD14 acts as the major receptor for bacterial LPS. The dominant form of the recombinant wild type CD14 is the 50 kDa protein.		
<b>Gene ID:</b>	929		
<b>UniProtKB:</b>	P08571		
<b>Source:</b>	CHO cells transfected with the complete human CD14 cDNA in the p-POL-DHFR expression vector.		
<b>Molecular Weight:</b>	50 kDa		
<b>Formulation:</b>	Lyophilized from a concentrated protein solution (0.25 mg/mL) in PBS, pH 7.2		
<b>Purity:</b>	90-95% by SDS-PAGE		
<b>Purification:</b>	Affinity chromatography		
<b>Endotoxin Level:</b>	<1.5 EU/mL		
<b>Biological Activity:</b>	Up to 20 µg/mL CD14 inhibits binding of LPS-FITC (0.5 µg/mL) to 6 x 10 <sup>5</sup> CD14 <sup>+</sup> CHO cell transfectants as determined by flow cytometry.		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add 40 µL sterile distilled water to the vial. Further dilutions can be made with PBS or other buffers.		
<b>Applications:</b>	ELISA, Western Blot, Inhibition Studies		
<b>Storage &amp; Stability:</b>	Store at room temperature for up to 3 weeks, up to 10 months at 2-8 °C and up to 1 year desiccated at -80 °C. Upon reconstitution, store in working aliquots containing 0.1% BSA at -20 °C to -80 °C. <b>Avoid repeated freeze-thaw cycles.</b>		



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

