

CD14

Recombinant Human CD14

Catalog No.	CRCC02	Quantity:	100 µg
Gene ID:	929		
Description:	<p>Recombinant human CD14 is produced from human CD14 transfected CHO cells. Before transfection the complete human CD14-cDNA was amplified by PCR and cloned into expression vector p-POL-DHFR. The dominant form of the recombinant wild type CD14 is the 50 kDa protein.</p> <p>The myeloid differentiation antigen CD14 acts as the major receptor for bacterial LPS. CD14 has been shown to be involved in the LPS-induced cell activation. This antigen is present as a membrane bound form and soluble antigen, both involved in cell stimulation by LPS. The plasma protein LBP plays an important role in this LPS-CD14 mediated cell activation. Monocytes and PMN are activated by the LBP-LPS complex via membrane CD14.</p>		
Source:	CHO cells		
Molecular Weight:	50 kDa		
Formulation:	Lyophilized from serum free culture supernatant of CHO transfectants (CHO-S-SFM-II + antibiotics, without sodium azide).		
Biological Activity:	50 µg/ml totally inhibits binding of FITC-LPS (0.5 µg/ml) to 6×10^5 CD14 ⁺ CHO transfectants. Up to 10 µg/ml inhibits binding of LPS-FITC.		
Reconstitution:	Centrifuge vial prior to opening. Add 100 µl sterile distilled water to the vial to fully solubilize the protein to a concentration of 1.0 mg/ml.		
Storage & Stability:	Store in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.		
Notes:	Product is unpurified cell culture supernatant. For special tests (ex. Cell culture experiments) a control (cell culture supernatant of vector transfected CHO cells, Cat. No. CRS150) is necessary.		

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

