9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CD14 Human, CHO

CD14 Human Recombinant, CHO
CDA0008

Product Overview

Name	CD14 Human, CHO
Description	
CD14 Human Recombinant, CHO	
Accession (Primary)	P08571
Synonyms	
Monocyte differentiation antigen CD14, Myeloid cell-specific leucine-rich glycoprotein, CD14.	
Introduction	
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.	
Source	
CHO-cells.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
CD14 was lyophilized from a concentrated protein solution (1.0 mg/ml) containing phosphate-buffered saline, pH 7.2.	
Stability	
Lyophilized CD14 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CD14 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Biological Activity	
Up to 20 µg/ml CD14 inhibit binding of FITC-LPS (0.5 µg/ml) to 600,000 CD14+CHO transfectants (FACS).	
Solubility	
It is recommended to reconstitute the lyophilized CD14 in sterile 18MΩ-cm H2O not less than 100 µg/ml. Further	

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dilutions should be made with phosphate buffered saline (PBS).

Precautions

CD14 Human, CHO is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P08571)