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

CD14 Human

CD14 Human Recombinant
CDA0006

Product Overview

Name	CD14 Human
Description	
CD14 Human Recombinant	
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	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
CD14 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 30% glycerol 0.15M NaCl and 1mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS TTPEPCE LDDEDFRCVC NFSEPQPDWS EAFQCVSAVE VEIHAGGLNL EPFLKRVDAD ADPRQYADTV KALRVRRLTV GAAQVPAQLL VGALRVLAYS RLKELTLEDL KITGTMPPLP LEATGLALSS LRLRNVSWAT GRSWLAELQQ WLKPGLKVLS IAQAHSPAFS CEQVRAFPAL TSLDLSDNPG LGERGLMAAL CPHKFPAIQN LALRNTGMET PTGVCAALAA AGVQPHSLDL SHNSLRATVN PSAPRCMWSS	

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ALNSLNLSFA GLEQVPKGLP AKLRVLDLSC NRLNRAPQPD ELPEVDNLTL DGNPFLVPGT ALPHEGSMNS GVV.

Precautions

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

Target Information: (P08571)