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CD14 Human HEK

CD14 Human Recombinant HEK
CDA0007

Product Overview

Name	CD14 Human HEK
Description	
CD14 Human Recombinant HEK	
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	
HEK293 cells.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
CD14 was lyophilized from a 0.2 μM filtered solution of 20mM PB and 150mM NaCl, PH 7.4.	
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. Please prevent freeze-thaw cycles.	
Purity	
Greater than 95% as determined by SDS-PAGE.	
Amino acid sequence	
TTPEPCELDDEDFRCVCNFSEPQPDWSEAFQCVSAVEVEIHAGGLNLEPFLKRVD ADADPRQYADTVKALRVRRLTVGAAQVPAQLLVGALRVLAYSRLKELTLEDLKIT GTMPPLPLEATGLALSSLRLRNVSWATGRSWLAELQQWLKPGLKVLSIAQAHSPAF	

SCEQVRAFPALTSLDLSDNPGLGERGLMAALCPHKFPAIQNLALRNTGMETPTGVCA

ALAAAGVQPHSLDLSHNSLRATVNPSAPRCMWSSALNSLNLSFAGLEQVPKGLPAKL

RVLDLSCNRLNRAPQPDELPEVDNLTLDGNPFLVPGTALPHEGSMNSGVVPAC VDHHHHHH

Solubility

It is recommended to reconstitute the lyophilized CD14 in 1xPBS to a concentration no less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

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

Target Information: (P08571)