

# 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

HEK293 cells.

### Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

### Formulation

CD14 was lyophilized from a 0.2  $\mu$ M 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

TTPEPCELDDDFRCVCNFSEPQPDWSEAFQCVSAVEVEIHAGGLNLEPFLKRVD  
ADADPRQYADTVKALRVRRRLTVGAAQVPAQLLVGALRVLAYSRKELTLEDLKIT  
GTMPPLEATGLALSSLRLRNVSATGRSWLAELQQWLKPLKVLISIAQAHSPAF

SCEQVRAFPALTSLDLSDNPGLGERGLMAALCPHKFPAIQNLALRNTGMETPTGVCA  
ALAAAGVQPHSLDLSHNSLRATVNPSPAPRCMWSSALNSLNSFAGLEQVPKGLPAKL  
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 is for research use only and not for use in diagnostic or therapeutic procedures.

**Target Information: ( [P08571](#) )**