

# CD14 Mouse

CD14 Mouse Recombinant  
CDA0009

## Product Overview

Name CD14 Mouse

### Description

CD14 Mouse Recombinant

Accession (Primary) [P10810](#)

### 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

Sf9, Baculovirus cells.

### Physical Appearance

Sterile Filtered colorless solution.

### Formulation

CD14 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

### 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

SPAPPEPCEL DEESCSCNFS DPKPDWSSAF NCLGAADVEL YGGGRSLEYL LKRVDTADL GQFTDIIKSL  
SLKRLTVRAA RIPSRLFGA LRVLGISGLQ ELTLENLEVT GTAPPPLLEA TGPDLNILNL RNVSWATRDA  
WLAELQQWLK PGLKVLIAQ AHSLNFSCEQ VRVFPALSTL DLSDNPGE RGLISALCPL KFPTLQVLAL  
RNAGMETPSG VCSALAAARV QLQGLDLSHN SLRDAAGAPS CDWPSQLNSL NLSFTGLKQV PKGLPAKLSV

LDLSYNRLDR NPSPDELPQV GNLSLKGNPF LDSESHSEKF NSGVVTAGAP SSQAVASGT LALLLGDRLF V  
HHHHHH .

#### Precautions

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

**Target Information:** ( [P10810](#) )