# **Human CD14 (His Tag) recombinant protein**

Catalog Number: 503716



### **General Information**

#### Gene Name Synonym

Myeloid cell-specific leucine-rich glycoprotein; Monocyte differentiation antigen CD14, urinary form; Monocyte differentiation antigen CD14, membrane-bound form

#### **Protein Construction**

A DNA sequence encoding the mature form of human CD14 (NP\_000582.1) (Met 1-Met 344) was fused with a polyhistidine tag at the C-terminus.

### **Organism**

Human

#### **Expression Host**

**Human Cells** 

## **QC Testing**

## **Purity**

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

#### **Stability**

Samples are stable for up to twelve months from date of receipt at -70°C

#### Predicted N terminal

Thr 20

#### **Molecular Mass**

The secreted recombinant human CD14 consists of 336 amino acids and has a predicted molecular mass of 36.5 kDa. The apparent molecular mass of rhCD14 is approximately 45 kDa in SDS-PAGE under reducing conditions due to glycosylation.

#### **Formulation**

Lyophilized from sterile PBS, pH 7.4

- 1.5% trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

## **Usage Guide**

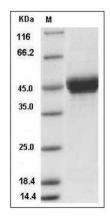
## **Storage**

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

#### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**



Human CD14 Protein (His Tag) SDS-PAGE