

# Recombinant Human CD14 Protein

Catalog No.: RP00323 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	929	P08571

### Tags

C-6×His

### Synonyms

CD14

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

This protein is a surface antigen that is preferentially expressed on monocytes/macrophages. It cooperates with other proteins to mediate the innate immune response to bacterial lipopolysaccharide. Alternative splicing results in multiple transcript variants encoding the same protein.

## Basic Information

### Description

Recombinant Human CD14 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Thr20-Cys352) of human CD14 (Accession #P08571) fused with a 6×His tag at the C-terminus.

### Bio-Activity

Measured by its ability to enhance LPS-stimulated IL-8 secretion by THP-1 human acute monocytic leukemia cells. The ED<sub>50</sub> for this effect is 0.75-4.5 ng/mL.

### Storage

Store the lyophilized protein at -20°C to -80 °C for long term.

After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

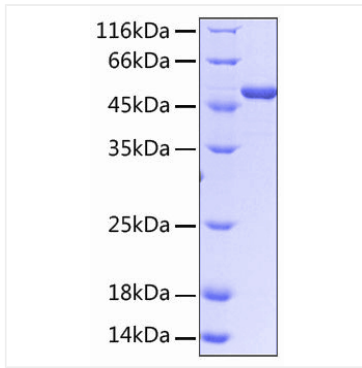
Avoid repeated freeze/thaw cycles.

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant protein Human CD14 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 50 kDa.