

## General Information

### Gene Name Synonym

Myeloid cell-specific leucine-rich glycoprotein

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Pro 345) of mouse CD14 (NP\_033971.1) precursor was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

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

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Ser 16

### Molecular Mass

The recombinant mouse CD14/Fc is a disulfide-

linked homodimer after removal of the signal peptide. The reduced monomer consists of 578 amino acids and has a predicted molecular mass of 63.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm CD14/Fc monomer is approximately 85-95 kDa 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

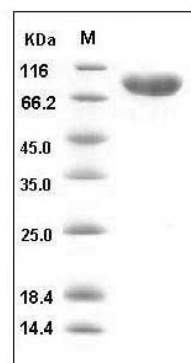
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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



Mouse CD14 Protein (His & Fc Tag) SDS-PAGE