

## Mouse CD14 Protein

Cat. No. CD1-MM114

### Description

<b>Source</b>	Recombinant Mouse CD14 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser16-Pro345.
<b>Accession</b>	NP_033971.1
<b>Molecular Weight</b>	The protein has a predicted MW of 38.19 kDa. Due to glycosylation, the protein migrates to 52-62 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

### Formulation and Storage

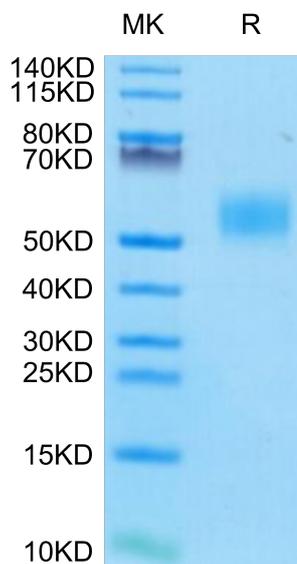
<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

### Background

CD14 is a glycosylphosphatidylinositol (GPI)-anchored receptor known to serve as a co-receptor for several Toll-like Receptors (TLRs) both at the cell surface and in the endosomal compartment. CD14 can be expressed by cells of both hematopoietic and non-hematopoietic origin as a cell membrane or secreted protein.

### Assay Data

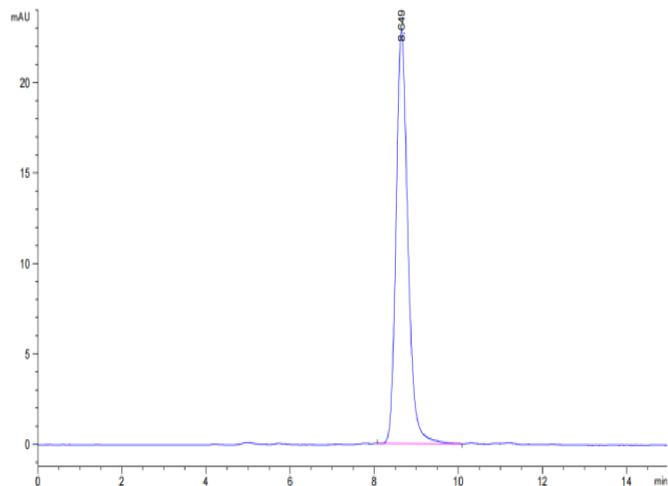
#### Bis-Tris PAGE



Mouse CD14 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

#### SEC-HPLC

Assay Data



The purity of Mouse CD14 is greater than 95% as determined by SEC-HPLC.