

## Recombinant Mouse Cd14 protein(Met1-Pro345), His&hFc-tagged

**Cat. No.** Cd14-3318M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse CD14 (NP_033971.1)(Met 1-Pro 345) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of Human IgG1 at the C-terminus.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Pro345
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 97 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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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**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** Cd14 CD14 antigen [ *Mus musculus* ]

**Official Symbol** Cd14

**Synonyms** CD14; CD14 antigen; monocyte differentiation antigen CD14; myeloid cell-specific leucine-rich glycoprotein;

**Gene ID** 12475

**mRNA Refseq** NM\_009841

**Protein Refseq** NP\_033971

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