

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

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Pro345
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 97 % as determined by SDS-PAGE
Storage	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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