Recombinant Rat Cd14 protein(Met1-Tyr341), hFc-tagged

Cat. No. Cd14-7484R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat CD14 (Q63691) (Met1-Tyr341) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Tyr341
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 Rat CD14/Fc is a disulfide-linked homodimer. The reduced monomer comprises 565 amino acids and has a predicted molecular mass of 62.2 kDa. The apparent molecular mass of the protein is approximately 72 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 93 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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.

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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 molecule [Rattus norvegicus]
Official Symbol	Cd14
Synonyms	CD14; CD14 molecule; monocyte differentiation antigen CD14; CD14 antigen; myeloid cell-specific leucine-rich glycoprotein;
Gene ID	60350
mRNA Refseq	NM_021744
Protein Refseq	NP_068512

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