Recombinant Mouse CD14 Protein

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Catalog No.: RP03545 Recombinant

Sequence Information

Species Gene ID Swiss Prot Mouse 12475 P10810

Tags

C-His

Synonyms

Cd14; Monocyte differentiation antigen CD14:CD14

Product Information

Purification Source HEK293 cells ≥ 95 % as

determined by Tris-Bis PAGE;≥ 95 % as determined by

HPLC.

Calculated MW Observed MW

38.19 kDa 52-62 kDa

Endotoxin

< 1 EU/µg of the protein by LAL method.

Formulation

Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

Contact

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Background

Coreceptor for bacterial lipopolysaccharide. In concert with LBP, binds to monomeric lipopolysaccharide and delivers it to the LY96/TLR4 complex, thereby mediating the innate immune response to bacterial lipopolysaccharide (LPS).

Basic Information

Description

Recombinant Mouse CD14 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser16-Pro345) of Mouse CD14 (Accession #NP 033971.1) fused with with His tag at the C-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

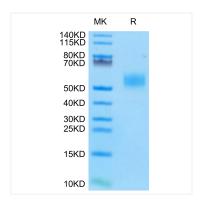
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

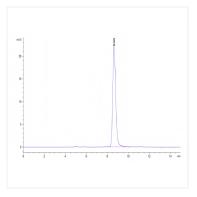
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Mouse CD14 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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