

Catalog No.: RP03545 **Recombinant**

Species	Gene ID	Swiss Prot
Mouse	12475	P10810

C-His

Synonyms
Cd14;Monocyte differentiation antigen
CD14;CD14

Source HEK293 cells	Purification ≥ 95 % as determined by Tris- Bis PAGE; ≥ 95 % as determined by HPLC.
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Calculated MW	Observed MW
38.19 kDa	52-62 kDa

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

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

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

 | 400-999-6126

 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

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) .

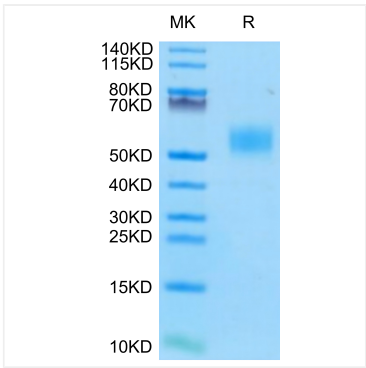
Recombinant Mouse CD14 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser16-Pro345) of Mouse CD14 (Accession #NP_033971.1) fused with His tag at the C-terminus.

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

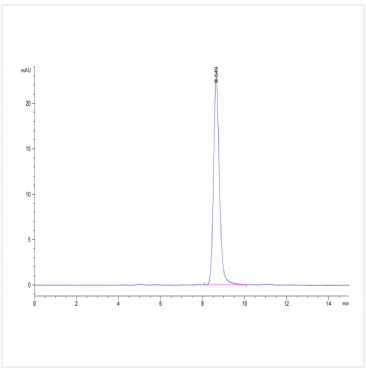
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

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.