

Recombinant Human CD14 Protein

Catalog No.: RP00990 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	929	P08571

Tags

C-His

Synonyms

CD14

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Contact

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Background

Basic Information

Description

Recombinant Human CD14 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Thr20-Cys352) of human CD14 (Accession #NP_000582.1) fused with a 6×His tag at the C-terminus.

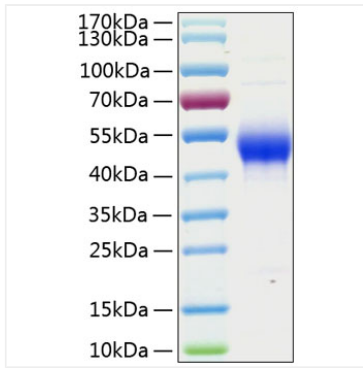
Bio-Activity

Measured by its ability to enhance LPS-stimulated IL-8 secretion by THP-1 human acute monocytic leukemia cells. The ED₅₀ for this effect is 5.7-23 ng/mL.

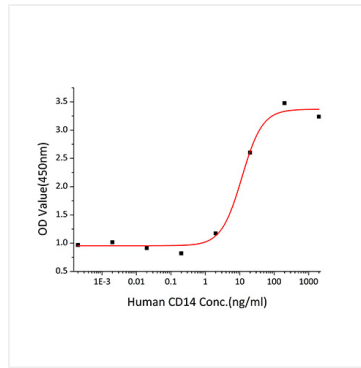
Storage

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.

Validation Data



Recombinant Human CD14 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 45-55 kDa.



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