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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 % as determined by SDS-PAGE.

Calculated MW	Observed MW
36.61 kDa	45-55 kDa

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-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 ED_{50} for this effect is 5.7-23 ng/mL.

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

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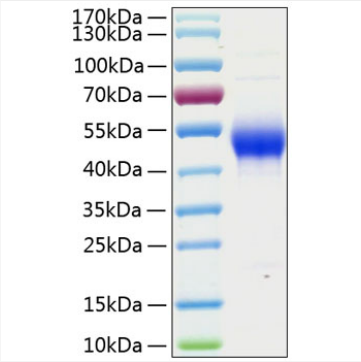
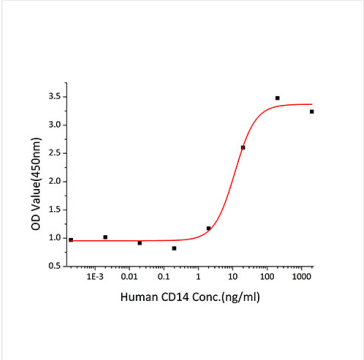
Validation Data



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



Recombinant Human CD14 enhance LPS-stimulated IL-8 secretion by THP-1 human acute monocytic leukemia cells. The ED_{50} for this effect is 5.7-23 ng/mL.