For Research Use Only

Recombinant Human CD14 protein (His Tag)

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Catalog Number: Eg0498

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
His Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Human CD14 protein Thr20-Met344 (Accession# P08571) with a His tag at the C-terminus.

GeneID:
929

Accession:
P08571

Predicted Molecular Mass:
39.1 kDa

SDS-PAGE:
45-60 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ under sterile conditions after reconstitution.

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

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

CD14 is a 50-55 kDa glycosylphosphatidylinositol-anchored glycoprotein preferentially expressed on monocytes and macrophages, and at lower levels on granulocytes. CD14 can also exist as a soluble protein. CD14 acts as a co-receptor for bacterial liposaccharides (LPS). It plays a major role in the inflammatory response of monocytes to LPS.

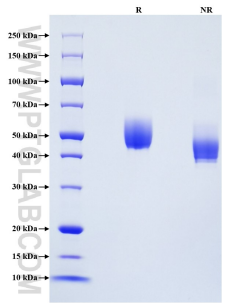
References

1. A Haziot, et al. (1988) J Immunol. 141(2):547-52.
2. D L Simmons, et al. (1989) Blood. 73(1):284-9.
3. S D Wright, et al. (1990) Science. 249(4975):1431-3.
4. A Haziot, et al. (1993) J Immunol. 150(12):5556-65.

Synonyms

CD14,CD14 molecule,Monocyte differentiation antige

Selected Validation Data



Purity of Recombinant Human CD14 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.