For Research Use Only

Recombinant Rat CD14 protein (rFc Tag)

www.ptgcn.com

Catalog Number: Eg9429

Basic Information

Species:
Rat

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μg protein, LAL method

Source:
HEK293-derived Rat CD14 protein Ser18-Asn342 (Accession# Q63691) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
60350

Accession:
Q63691

Predicted Molecular Mass:
60.9 kDa

SDS-PAGE:
65-82 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μm 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 (PMID: 3385210; 2462937; 7685797). CD14 can also exist as a soluble protein. CD14 acts as a co-receptor for bacterial liposaccharides (LPS) (PMID: 1698311). It plays a major role in the inflammatory response of monocytes to LPS.

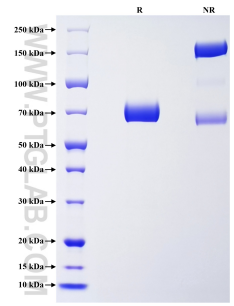
References

1. Haziot, A et al.. J Immunol. vol. 141,2 (1988): 547-52.
2. Wright, S D et al. Science. vol. 249,4975 (1990): 1431-3.
3.Haziot, A et al. J Immunol. vol. 150,12 (1993): 5556-65.

Synonyms

Monocyte differentiation antigen CD14, Myeloid cell-specific leucine-rich glycoprotein

Selected Validation Data



Purity of Recombinant Rat 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.