

Human CD14 (Fc Tag) recombinant protein



Catalog Number: 501896

General Information

Gene Name Synonym

Myeloid cell-specific leucine-rich glycoprotein; Monocyte differentiation antigen CD14, urinary form; Monocyte differentiation antigen CD14, membrane-bound form

Protein Construction

A DNA sequence encoding the extracellular domain (Thr 20-Cys 352) of the mature form of human CD14 (NP_000582.1) was fused to the Fc region of human IgG1 at the N-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Purity

> 97 % as determined by SDS-PAGE and SEC-HPLC Analysis.

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Glu 20

Molecular Mass

The recombinant human Fc/CD14 chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 570 amino acids and has a calculated molecular mass of 62.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhFc/CD14 monomer is approximately 75-85 kDa due to the glycosylation.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

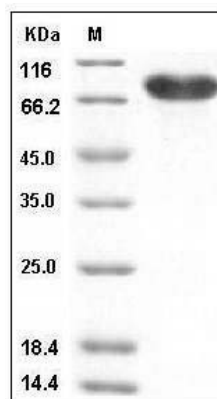
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human CD14 Protein (Fc Tag) SDS-PAGE