

Human CD14 Recombinant Protein



RPPB3004

Product Information Protein Information

Product SKU:

RPPB3004

Accession:

P08571

Host:

CHO-cells.

Protein description:

The CD14 is produced from human CD14 transfected CHO-cells. Before transfection the complete human CD14-cDNA was amplified by PCR and cloned into expression vector p-POL-DHFR. The myeloid differentiation antigen CD14 acts as the major receptor for bacterial LPS. The dominant form of the recombinant wild type CD14 is the 50-kDa protein containing 335 amino acids and lacks the GPI-Anchor.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

CD14 was lyophilized from a concentrated protein solution (1.0 mg/ml) containing phosphate-buffered saline, pH 7.2.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized CD14 in sterile 18M Ω -cm H₂O not less than 100 μ g/ml. Further dilutions should be made with phosphate buffered saline (PBS).

Stability:

Lyophilized CD14 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CD14 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Biological Activity:

Up to 20 μ g/ml CD14 inhibit binding of FITC-LPS (0.5 μ g/ml) to 600,000 CD14+CHO transfectants (FACS).