

Human CD14, soluble (glycosylated)

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

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
10 µg	1239.954.010		
50 µg	1239.954.050		
1 mg	1239.954.199		

Please enquire for bulk quantities and other vial sizes

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.

- **Source** CHO
- **Purity** ≥ 95 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** CD14 was lyophilized from a concentrated protein solution (1.0 mg/ml) containing phosphate-buffered saline, pH 7.2*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

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

Reconstitution

It is recommended to reconstitute the lyophilized CD14 in sterile 18MO-cm H₂O not less than 100µg/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 avoid repeated freeze-thaw cycles.**

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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