

CD14 Human, CHO

CD14 Human Recombinant, CHO
CDA0008

Product Overview

Name CD14 Human, CHO

Description

CD14 Human Recombinant, CHO

Accession (Primary) [P08571](#)

Synonyms

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

Introduction

CD14 (also known lipopolysaccharide (LPS) receptor) is expressed strongly on monocytes and macrophage and weakly on the surface of neutrophils. CD14 is anchored to cells by linkage to glycosylphosphatidylinositol (GPI) and functions as a high affinity receptor for complexes of LPS and LPS binding protein (LBP). Soluble CD14, also binding to LPS, acts at physiological concentration as an LPS agonist and has, at higher concentrations, an LPS antagonizing effect in cell activation. CD14 has been shown to bind apoptotic cells.

Source

CHO-cells.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

CD14 was lyophilized from a concentrated protein solution (1 mg/ml) containing phosphate-buffered saline, pH 7.2.

Stability

Lyophilized Mouse CD14 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Mouse 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.

Solubility

It is recommended to reconstitute the lyophilized Mouse CD14 in sterile 18M Ω -cm H₂O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.

Applications

• ELISA. • Inhibition Assays. • Western Blotting.

Precautions

CD14 Human, CHO is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: ([P08571](#))