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32-13069: CD14 Mouse, Sf9

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

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
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.
CD14 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 357 amino acids (16-366a.a.) and having a molecular mass of 38.3kDa.Â CD14 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	CD14 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	SPAPPEPCEL DEESCSCNFS DPKPDWSSAF NCLGAADVEL YGGGRSLEYL LKRVDTEADL GQFTDIIKSL SLKRLTVRAA RIPSRILFGA LRVLGISGLQ ELTLENLEVT GTAPPPLLEA TGPDLNILNL RNVSWATRDA WLAELQQWLK PGLKVLSIAQ AHSLNFSCEQ VRVFPALSTL DLSDNPELGE RGLISALCPL KFPTLQVLAL RNAGMETPSG VCSALAAARV QLQGLDLSHN SLRDAAGAPS CDWPSQLNSL NLSFTGLKQV PKGLPAKLSV LDLSYNRLDR NPSPDELPQV GNLSLKGNPF LDSESHSEKF NSGVVTAGAP SSQAVALSGT LALLLGDRLF VHHHHHH.

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