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32-3442: CD14 HEK Recombinant Protein

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

Description

Source : HEK293 cells. CD14 Human Recombinant produced by mammalian expression system in human cells is a single polypeptide chain containing 341 amino acids (20-352). CD14 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	50 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	CD14 was lyophilized from a 0.2 mM filtered solution of 20mM PB and 150mM NaCl, PH 7.4.
Storage condition :	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. Please prevent freeze-thaw cycles.
Amino Acid :	TTPEPCELDDEDFRCVCNFSEPQPDWSEAFQCVSAVEVEIHAGGLNLEPFLKRVDADADPRQYADTVKALRVR RLTVGAAQVPAQLLVGALRVLAYSRLKELTLEDLKITGTMPPLPLEATGLALSSLRLRNVSWATGRSWLAELQQ WLKPGLKVLSIAQAHSPAFSCEQVRAFPALTSLDLSDNPGLGERGLMAALCPHKFPAIQNLALRNTGMETPTGV CAALAAAGVQPHSLDLSHNSLRATVNPSAPRCMWSSALNSLNLSFAGLEQVPKGLPAKLRVLDLSCNRLNRAP QPDELPEVDNLTLDGNPFLVPGTALPHEGSMNSGVVPACVDHHHHHH

Application Note

It is recommended to reconstitute the lyophilized CD14 in 1xPBS to a concentration no less than 100 Ã□Âµg/ml, which can then be further diluted to other aqueous solutions.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.