

CD14, 20- 349aa, Human, His tag, E.coli

Cat.NO.: TP01478

3th Edition

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

Description: CD14 is a surface antigen that is preferentially expressed on monocytes/macrophages. It cooperates with other proteins to mediate the innate immune response to bacterial lipopolysaccharide. Alternative splicing results in multiple transcript variants encoding the same protein. Recombinant human CD14 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol 0.15M NaCl, 1mM DTT

Molecular Weight: 37.9 kDa (353aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSTTPEPCELDDEDFRVCVCFSEPPQPDWSEAFQCVSVEVEIHAGGLNLEPFL
KRVDADADPRQYADTVKALRVRRLTVGAAQVPAQLLVGALRVLAYSRLKELTLEDLKITGTMPPLEATGLALSSL
RLRNVSATGRSWLAELQQWLKPKLVLSIAQAHSPAFSCEQVRAFPALTSLDLSDNPGLGERGLMAALCPHKFP
AIQNLALRNTGMETPTGVCAALAAAGVQPHSLDLSHNSLRATVNPSPAPRCMWSSALNSLNSFAGLEQVPGKGLPA
KLRVLDLSCNRLNRAPQPDELPEVDNLTLDGNPFLVPGTALPHEGSMNSGVV

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.