

# Product information



**CD14, 20- 349aa**

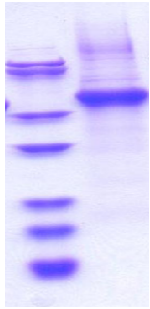
**Human, His-tagged, Recombinant, *E.coli***

**Cat. No. IBATGP2697**

**Full name:** monocyte differentiation antigen CD14

**NCBI Accession No.:** NP\_001167576

**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.

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| <p><b>Form:</b> Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol<br/>0.15M NaCl, 1mM DTT</p> <p><b>Molecular Weight:</b> 37.9 kDa (353aa) confirmed by MALDI-TOF</p> <p><b>Purity:</b> &gt; 90% by SDS - PAGE</p> <p><b>Concentration:</b> 0.5mg/ml (determined by Bradford assay)</p>                                                                                                                                                      | <p><b>(kDa)</b></p>  <p>15% SDS-PAGE (3ug)</p> |
| <p><b>Sequences of amino acids:</b></p> <p>MGSSHHHHH SSGLVPRGSH MGSTTPEPCE LDDDFRCVC NFSEPQPDWS EAFQCVSAVE VEIHAGGLNL EPFLKRVDAD ADPRQYADTV<br/>KALRVRLTV GAAQVPAQLL VGALRVLAYS RLKELTLEDL KITGTMPPLP LEATGLALSS LRLRNVSWAT GRSWLAEQQ WLKPGKVLVS<br/>IAQAHSPAFS CEQVRAFPAL TSLDLSDNPG LGERGLMAAL CPHKFPAIQN LALRNTGMET PTGVCAALAA AGVQPHSLDL SHNSLRATVN<br/>PSAPRCMWSS ALNSLNLSFA GLEQVPKGLP AKLRVLDLSC NRLNRAPQPD ELPEVDNLTL DGNPFLVPGT ALPHEGSMNS GVV</p> |                                                                                                                                    |

## General references:

Kelley S.L., *et al* (2013). J. Immunol. 190:1304-1311

Setoguchi M., *et al* (1989). Biochim. Biophys. Acta 1008:213-222

**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.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



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