

Recombinant Human CD14 Protein, C-His-tagged

Cat. No. CD14-179H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD14 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	CD14 is a leucine-rich repeat-containing pattern recognition receptor with expression largely restricted to the monocyte/macrophage cell lineage. Research studies have shown that CD14 is a bacterial lipopolysaccharide (LPS) binding glycoprotein, expressed as either a GPI-linked membrane protein or a soluble plasma protein. LPS induces an upregulation of GPI-linked CD14 expression, which facilitates TLR4 signaling and macrophage activation in response to bacterial infection. The 61D3 antibody is widely used to identify cells of the monocyte/macrophage lineage.
Molecular Mass	~36 kDa
AA Sequence	TTPEPCELDDDEFRCVCNFSEPQPDWSEAFQCVSAVEVEIHAGGLNLEPFLKRVDA DADPRQYADTVKALRVRRRTVGAAQVPAQLLVGALRVLAYSRLKELTLEDLKITGTM PPLPLEATGLALSSLRLRNVSWATGRSWLAELQQWLKPGKVLISIAQAHSPAFCSE QVRAFPALTSLDLSDNPGGLGERGLMAALCPHKFPAIQNLALRNTGMETPTGVCAALA AAGVQPHSLDLSHNSLRATVNPSAPRCMWSSALNSLNSLFAGLEQVPKGLPAKLRV LDLSCNRLNRAPQPDELPEVDNLTLDGNPFLVPGTALPHEGSMN
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

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Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

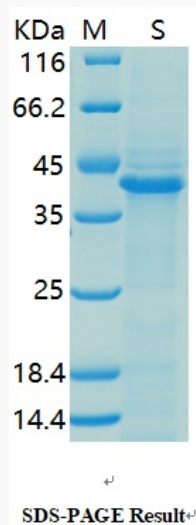
Gene Name	CD14 CD14 molecule [Homo sapiens (human)]
Official Symbol	CD14
Synonyms	CD14; CD14 molecule; CD14 antigen; monocyte differentiation antigen CD14; myeloid cell-specific leucine-rich glycoprotein;
Gene ID	929
mRNA Refseq	NM_000591
Protein Refseq	NP_000582
MIM	158120
UniProt ID	P08571

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SDS-PAGE



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