

## Recombinant Human CD14 Protein, His-tagged

Cat. No. CD14-123H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CD14 protein with His tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	375
<b>Description</b>	The protein encoded by this gene 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, and to viruses. This gene has been identified as a target candidate in the treatment of SARS-CoV-2-infected patients to potentially lessen or inhibit a severe inflammatory response. Alternative splicing results in multiple transcript variants encoding the same protein.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	36.6 kDa
<b>AA Sequence</b>	MERASCLLLLLLPLVHVSATTPEPCELDDEDFRCVCNFSEPQPDWSEAFQCVS VEIHAGGLNLEPFLKRVDADADPRQYADTVKALRVRRLTVGAAQVPAQLLVGALRVL AYSRLKELTLEDLKITGMTMPPLPLEATGLALSSLRLRNVS WATGRSWLAELQQWLKPLGLKVLSIAQAHSPAFSCEQVRAFPALTS LDLSDNPLGLGERGLMAALCPHKFPAIQNLALRNTGMETPTG VCAALAAAGVQPHSLDLSHNSLRATVNPSAPRCMWSSALNSLNL SFAGLEQVPKGLPAKLRVLDLSCNRLNRAPQPDELPEVDNLTLDG NPFLVPGTALPH

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EGSMNSGVVPACARSTLSVGVSGTLVLLQGARGFA

**Purity**

> 98%

**Applications**

WB; ELISA; FACS; FC

**Stability**

This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage**

At -20 centigrade.

**Concentration**

1 mg/mL

**Storage Buffer**

PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution**

Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

**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

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mRNA Refseq	NM_000591
Protein Refseq	NP_000582
MIM	158120
UniProt ID	P08571

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