

Recombinant Human CD14 Protein, Fc-tagged

Cat. No. CD14-157H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CD14 protein with Fc tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	375
Description	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.
Form	Lyophilized
Molecular Mass	67.5 kDa
AA Sequence	MERASCLLLLLLPLVHVSATTPEPCELDDEDFRCVCNFSEPQPDWSEAFQCVS VEIHAGGLNLEPFLKRVDADADPRQYADTVKALRVRRLTVGAAQVPAQLLVGALRVL AYSRLKELTLEDLKITGMTMPPLPLEATGLALSSLRLRNVS WATGRSWLAELQQWLKPLGLKVL SIAQAHS PAFSCEQVRAFPALTS LDLS DNPGLGERGLMAALCPHKFPAIQNL ALRNTGMETPTGVCAALAAAGVQPHSLDLSHNSLRATVNPSAPRCMWSSALNSLNL SFAGLEQVPKGLPAKLRVLDLSCNRLNRAPQPDELPEVDNLTLDGNPFLVPGTALPH

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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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