

## Active Recombinant Human CD14 protein

Cat. No. CD14-264H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CD14(Thr20-Cys352) was expressed in CHO.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	Thr20-Cys352
<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. Alternative splicing results in multiple transcript variants encoding the same protein.
<b>Form</b>	1 x PBS, pH7.2
<b>Bio-activity</b>	The ED50 is 100-400 ng/ml, corresponding to a specific activity of 1.0-2.5 x 10 <sup>4</sup> units/mg, determined by production of IL-8 from THP-1 cells treated with LPS (2 ng/ml) and CD14.
<b>Molecular Mass</b>	35.8 kDa
<b>Endotoxin</b>	Less than 0.01 ng per g protein as determined by the LAL method.
<b>Purity</b>	>95%, as determined by Coomassie stained SDS-PAGE.

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**Concentration** Protein formulated and vialled at >50 ug/mL in specified buffer

## GENE INFORMATION

**Gene Name** CD14 CD14 molecule [ Homo sapiens ]

**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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