

Active Recombinant Human CD14 protein

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

SPECIFICATION

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