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 104 units/mg, determined by production of IL-8 from THP-1 cells trated with LPS (2 ng/ml) and CD14.
Molecular Mass	35.8 kDa
Endotoxin	Less than 0.01 ng per ug protein as determined by the LAL method.
Purity	>95%, as determined by Coomassie stained SDS-PAGE.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration	Protein formulated and vialed 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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