Datasheet for ABIN7318271

CD14 Protein (CD14) (AA 20-352) (His tag)

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Overview

Quantity:	50 µg
Target:	CD14
Protein Characteristics:	AA 20-352
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD14 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CD14 Protein (aa 20-352, His Tag)
Sequence:	Thr 20-Cys352
Characteristics:	Recombinant Human CD14 is produced by our Mammalian expression system and the target gene encoding Thr20-Cys352 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CD14
Alternative Name:	CD14 (CD14 Products)
Background:	Background: CD14 is a cell surface glycoprotein that is preferentially expressed on

Target Details

	monocytes/macrophages. CD14 is anchored to cells by linkage to glycosylphosphatidylinositol (GPI) and functions as a pattern recognition receptor that binds lipopolysaccharides (LPS) and a variety of ligands derived from different microbial sources. The binding of CD14 with LPS is catalyzed by LPS binding protein (LBP). Toll like receptors have also been implicated in the transduction of CD14-LPS signals. Soluble CD14 can be released from the cell surface by phosphatidyinositolspecific phospholipase C and has been detected in serum and body fluids. High concentrations of soluble CD14 have been shown to inhibit LPS mediated responses. However, soluble CD14 can also potentiate LPS response in cells that do not express cell surface CD14. Synonym: Monocyte Differentiation Antigen CD14, Myeloid Cell-Specific Leucine-Rich Glycoprotein, CD14
Molecular Weight:	36.8 kDa
UniProt:	P08571
Pathways:	TLR Signaling, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Toll-Like Receptors Cascades

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.