

Datasheet for ABIN7318050  
**CD14 Protein (CD14) (Fc Tag)**



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## Overview

Quantity:	100 µg
Target:	CD14
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD14 protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant Human CD14 Protein (Fc Tag)
Sequence:	Thr 20-Cys 352
Characteristics:	A DNA sequence encoding the extracellular domain (Thr 20-Cys 352) of the mature form of human CD14 (NP_000582.1) was fused to the Fc region of human IgG1 at the N-terminus.
Purity:	> 97 % 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 ( <a href="#">CD14 Products</a> )
Background:	Background: The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are

## Target Details

more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. Cluster of differentiation 14 (CD14) is a member of the CD system. It takes its name from its inclusion in the CD molecule surface marker proteins. CD14 exists in two forms: a form anchored into the membrane or a soluble form. CD14 was found expressed in macrophages, neutrophil granulocyte and dendritic cells. The major function is serve as a co-receptor (along with TLR4 and MD-2) for the bacterial lipopolysaccharide (LPS) and other pathogen-associated molecular patterns.

Synonym: Monocyte Differentiation Antigen CD14, Myeloid Cell-Specific Leucine-Rich Glycoprotein, CD14

Molecular Weight:	62.4 kDa
NCBI Accession:	<a href="#">NP_000582</a>
Pathways:	<a href="#">TLR Signaling</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Toll-Like Receptors Cascades</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, 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.