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## Datasheet for ABIN7194697 CD14 Protein (CD14) (Fc Tag)

Image



#### Overview

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

#### Product Details

Purpose:	Recombinant Rat CD14 Protein (Fc Tag)	
Sequence:	Met1-Tyr341	
Characteristics:	A DNA sequence encoding the rat CD14 (Q63691) (Met1-Tyr341) was expressed, fused with the Fc region of human IgG1 at the C-terminus.	
Purity:	> 93 % as determined by SDS-PAGE	
Endotoxin Level:	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method	

#### **Target Details**

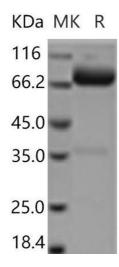
Target:	CD14	
Alternative Name:	CD14 (CD14 Products)	
Background:	Background: The cluster of differentiation (CD) system is commonly used as cell markers in immunophynotyping. Different kinds of cells in the immune system can be identified through	
	the surface CD molecules which associating with the immune function of the cell. There are	

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	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: CD14			
Molecular Weight:	62.2 kDa			
UniProt:	Q63691			
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 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.	



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Image 1.

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