antibodies

## Datasheet for ABIN7274064 CD14 Protein (CD14) (AA 20-344) (His tag)



2 Images



Quantity:	100 µg
Target:	CD14
Protein Characteristics:	AA 20-344
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD14 protein is labelled with His tag.

### Product Details

Purpose:	Human CD14 Protein
Sequence:	Thr20-Met344
Characteristics:	Recombinant Human CD14 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Thr20-Met344.
Purity:	>95 % as determined by Tris-Bis PAGE,>95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per $\mu g$ by the LAL method.
Target Details	

Target:	CD14
Alternative Name:	CD14 (CD14 Products)

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# Target Details Background: Human monocyte differentiation antigen CD14 is a pattern recognition receptor (PRR) that enhances innate immune responses. CD14 was first identified as a marker of monocytes to signal intracellular responses upon bacterial encounters. Given the absence of an intracellular tail, CD14 was doubted to have the signaling capacities. Molecular Weight: 38.2 kDa. Due to glycosylation, the protein migrates to 48-53 kDa based on Tris-Bis PAGE result. Pathways: TLR Signaling, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Toll-Like Receptors Cascades Application Details Sectoral Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



#### SDS-PAGE

**Image 1.** Human CD14 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

## Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Human CD14 is greater than 95 % as determined by SEC-HPLC.

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