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Datasheet for ABIN7274087

CD14 Protein (CD14) (AA 16-345) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	CD14
Protein Characteristics:	AA 16-345
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD14 protein is labelled with His tag.

Product Details

Purpose:	Mouse CD14 Protein
Sequence:	Ser16-Pro345
Characteristics:	Recombinant Mouse CD14 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Ser16-Pro345.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	CD14
Alternative Name:	CD14 (CD14 Products)

Target Details

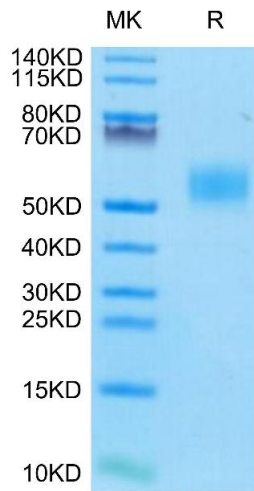
Background:	CD14 is a glycosylphosphatidylinositol (GPI)-anchored receptor known to serve as a co-receptor for several Toll-like Receptors (TLRs) both at the cell surface and in the endosomal compartment. CD14 can be expressed by cells of both hematopoietic and non-hematopoietic origin as a cell membrane or secreted protein.
Molecular Weight:	38.19 kDa. Due to glycosylation, the protein migrates to 52-62 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_033971
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
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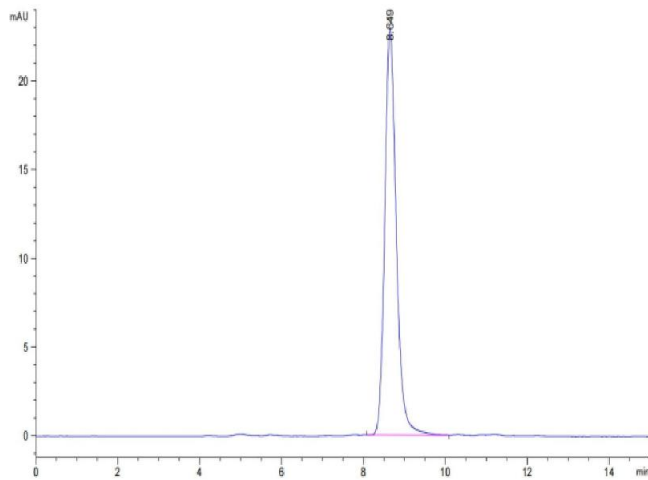
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/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. Mouse 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 Mouse CD14 is greater than 95 % as determined by SEC-HPLC.