

Datasheet for ABIN7491389 CD14 Protein (CD14) (AA 20-352) (His tag)





Overview

Quantity:	100 µg
Target:	CD14
Protein Characteristics:	AA 20-352
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD14 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CD14(20-352) Protein with C-terminal 7xHis tag
Specificity:	CD14 (Thr20-Cys352) 7xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CD14
Alternative Name:	CD14 (CD14 Products)
Background:	The protein encoded by this gene is a surface antigen that is preferentially expressed on

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Target Details

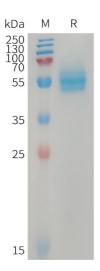
	monocytes/macrophages. It cooperates with other proteins to mediate the innate immune
	response to bacterial lipopolysaccharide, and to viruses. This gene has been identified as a
	target candidate in the treatment of SARS-CoV-2-infected patients to potentially lessen or
	inhibit a severe inflammatory response. Alternative splicing results in multiple transcript
	variants encoding the same protein. [provided by RefSeq, Aug 2020]
Molecular Weight:	predicted molecular mass of 36.7 kDa after removal of the signal peptide. The apparent
	molecular mass of CD14(20-352)-7xHis is 35-55 kDa due to glycosylation.
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
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human CD14(20-352) Protein, His Tag on SDS-PAGE under reducing condition.

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