

Datasheet for ABIN7491389

CD14 Protein (CD14) (AA 20-352) (His tag)[Go to Product page](#)**1** Image

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

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.