HUMAN CD14(20-352) PROTEIN, HIS TAG

Cat.#: 11889

Product Name: Human CD14(20-352) Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: CD14 Molecule;yeloid Cell-Specific Leucine-Rich Glycoprotein;D14 Antigen;onocyte Differentiation Antigen CD14

Target: CD14

UNIPROT ID: P08571

Description: Recombinant Human CD14(20-352) Protein with C-terminal 7xHis tag

Background: The protein encoded by this gene is a surface antigen that is preferentially expressed on 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]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 36.7 kDa after removal of the signal peptide. The apparent molecular mass of CD14(20-352)-7xHis is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: CD14(Thr20-Cys352) 7×His tag

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: 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.

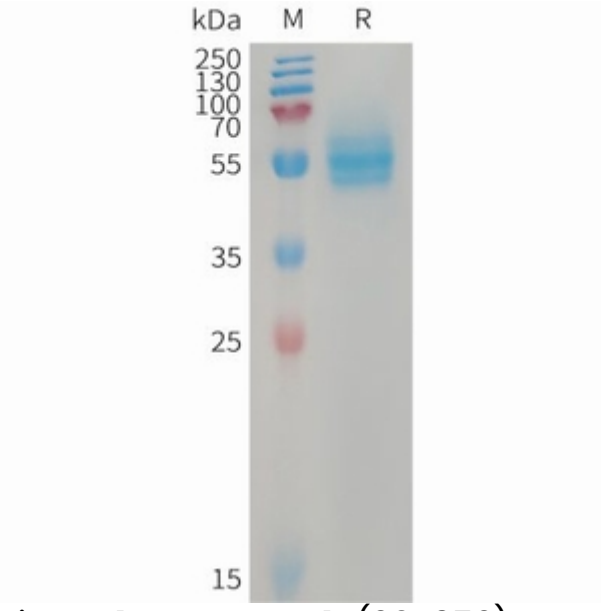

Figure 1.Human CD14(20-352) Protein, His Tag on SDS-PAGE under reducing condition.